

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: October 19, 2004, 09:04:37 ; Search time 22.6411 Seconds
(without alignments)
304.626 Million cell updates/sec

Title: US-09-622-613C-2

Perfect score: 578

Sequence: 1 QDWLTFOKKHLNTRDVCN.....TFCVTCENQAPVHFVGVC 104

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: 478139

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents AA.*
1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep.*
2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep.*
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep.*
4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep.*
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6: /cgn2_6/ptodata/1/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	558	96.5	104	1	US-08-467-955-2
2	556	96.2	104	3	US-09-394-268-1
3	556	96.2	104	4	US-09-687-748-1
4	556	96.2	104	4	US-08-626-288-1
5	556	96.2	104	4	US-09-095-429-1
6	556	96.2	129	3	US-08-875-811-63
7	556	96.2	379	3	US-08-875-811-43
8	553	95.7	104	1	US-08-283-971-1
9	553	95.7	104	1	US-07-921-619-1
10	553	95.7	104	1	US-08-467-955-1
11	553	95.7	104	2	US-08-891-848-13
12	553	95.7	105	3	US-08-875-811-39
13	553	95.7	355	3	US-08-875-811-41
14	553	95.7	358	3	US-08-875-811-51
15	551	95.3	104	3	US-08-875-811-1
16	551	95.3	104	3	US-09-071-672-1
17	551	95.3	104	4	US-09-986-119-1
18	551	95.3	106	3	US-08-875-811-28
19	551	95.3	107	3	US-08-875-811-30
20	551	95.3	112	3	US-08-875-811-32
21	551	95.3	251	3	US-08-875-811-59
22	551	95.3	254	3	US-08-875-811-49
23	551	95.3	355	3	US-08-875-811-41
24	551	95.3	355	3	US-08-875-811-57
25	551	95.3	355	3	US-08-875-811-64
26	551	95.3	366	3	US-08-875-811-55
27	548	94.8	104	3	US-09-394-268-2

28 548 94.8 104 4 US-09-687-748-2 Sequence 2, Appli
29 548 94.8 104 4 US-08-626-288-2 Sequence 2, Appli
30 548 94.8 104 4 US-09-095-429-2 Sequence 2, Appli
31 546 94.5 105 3 US-08-875-811-24 Sequence 24, Appli
32 546 94.5 105 3 US-08-875-811-26 Sequence 26, Appli
33 542 93.8 358 3 US-08-875-811-45 Sequence 45, Appli
34 542 93.8 365 3 US-08-875-811-53 Sequence 53, Appli
35 527 91.2 107 3 US-08-875-811-20 Sequence 20, Appli
36 490 84.8 360 3 US-08-875-811-47 Sequence 47, Appli
37 483.5 83.7 111 3 US-08-875-811-22 Sequence 22, Appli
38 445 77.0 83 3 US-09-071-672-3 Sequence 3, Appli
39 445 77.0 83 4 US-09-986-119-3 Sequence 3, Appli
40 445 77.0 83 4 US-08-891-848-12 Sequence 12, Appli
41 289 50.0 111 2 US-08-875-811-8 Sequence 8, Appli
42 289 50.0 111 3 US-09-223-118-4 Sequence 4, Appli
43 217.5 37.6 114 3 US-09-223-118-2 Sequence 2, Appli
44 205.5 35.6 114 3 US-09-223-118-1 Sequence 1, Appli
45 204.5 35.4 114 3 US-09-223-118-1 Sequence 1, Appli

ALIGNMENTS

RESULT 1
US-08-467-955-2
; Sequence 2, Application US/08467955
; Patent No. 5728805
; GENERAL INFORMATION:
; APPLICANT: Ardelt Ph.D, Wojciech J.
; TITLE OF INVENTION: PHARMACEUTICALS AND METHOD FOR MAKING THEM
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Mark H. Jay, P.A.
; STREET: P.O. Box E
; CITY: Short Hills
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 07078-0383
; COMPUTER READABLE FORM: disk
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.24
; CURRENT APPLICATION DATA: US/08/467,955
; APPLICATION NUMBER: US/08/467,955
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA: US 07/178,118
; APPLICATION NUMBER: 06-APR-1988
; FILING DATE: 06-APR-1988
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/436,141
; FILING DATE: 13-NOV-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/814,332
; FILING DATE: 03-FEB-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/283,970
; FILING DATE: 01-AUG-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jay, Mark H.
; REGISTRATION NUMBER: 27507
; REFERENCE/DOCKET NUMBER: 5007 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-912-9066
; TELEFAX: 201-912-0442
; TELEX: No. 5728805 Applicable
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 104 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear

Query Match 96.2%; Score 556; DB 4; Length 104;
Best Local Similarity 96.2%; Pred. No. 5e-60;
Matches 100; Conservative 2; Mismatches 0; Gaps 0;
QY 1 QDWLTFQKKHLTNTTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 60
Db 1 QDWLTFQKKHITNTTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 60
QY 61 SEFYLSDCNVTSPCKYKLLKSTNTFCVTCENQAPVHFVGVGHC 104
Db 61 SEFYLSDCNVTSPCKYKLLKSTNTFCVTCENQAPVHFVGVGSC 104
RESULT 4
US-08-626-288-1
; Sequence 1, Application US/08626288
; Patent No. 6649392
; GENERAL INFORMATION:
; APPLICANT: Youle, Richard
; APPLICANT: Vasandani, Veena
; APPLICANT: Wu, Yon-Neng
; APPLICANT: Boix, Ester
; APPLICANT: Ardelt, Wojciech
; TITLE OF INVENTION: A Mutant Form of Cytotoxic Protein Which
; TITLE OF INVENTION: Allows Production by Recombinant Methods
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew
; STREET: One Market Plaza, Steuart Street Tower
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94105-1492
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/626,288
; FILING DATE: No. 6649392 yet assigned
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Ran, David B.
; REGISTRATION NUMBER: 38,589
; REFERENCE/DOCKET NUMBER: 15280-267
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 543-9600
; TELEFAX: (415) 543-5043
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 104 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-626-288-1
Query Match 96.2%; Score 556; DB 4; Length 104;
Best Local Similarity 96.2%; Pred. No. 5e-60;
Matches 100; Conservative 2; Mismatches 0; Gaps 0;
QY 1 QDWLTFQKKHLTNTTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 60
Db 1 QDWLTFQKKHITNTTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 60
QY 61 SEFYLSDCNVTSPCKYKLLKSTNTFCVTCENQAPVHFVGVGHC 104
Db 61 SEFYLSDCNVTSPCKYKLLKSTNTFCVTCENQAPVHFVGVGSC 104
RESULT 5

MOLECULE TYPE: protein
HYPOTHETICAL: N
ANTI-SENSE: N
FRAGMENT TYPE: N-terminal
ORIGINAL SOURCE:
ORGANISM: Rana pipiens
DEVELOPMENTAL STAGE: Oocyte
US-08-467-955-2
Query Match 96.5%; Score 558; DB 1; Length 104;
Best Local Similarity 96.2%; Pred. No. 2.9e-60;
Matches 100; Conservative 2; Mismatches 0; Gaps 0;
QY 1 QDWLTFQKKHLTNTTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 60
Db 1 EDWLTFQKKHVTNTTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 60
QY 61 SEFYLSDCNVTSPCKYKLLKSTNTFCVTCENQAPVHFVGVGHC 104
Db 61 SEFYLSDCNVTSPCKYKLLKSTNTFCVTCENQAPVHFVGVGRC 104
RESULT 2
US-09-394-268-1
; Sequence 1, Application US/09394268
; Patent No. 6175003
; GENERAL INFORMATION:
; APPLICANT: Saxena, Shailendra K
; TITLE OF INVENTION: NUCLEIC ACIDS ENCODING RIBONUCLEASES AND METHODS OF
; TITLE OF INVENTION: MAKING THEM
; FILE REFERENCE: 5013
; CURRENT APPLICATION NUMBER: US/09/394,268
; CURRENT FILING DATE: 1999-09-10
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 104
; TYPE: PRT
; ORGANISM: Rana pipiens
US-09-394-268-1
Query Match 96.2%; Score 556; DB 3; Length 104;
Best Local Similarity 96.2%; Pred. No. 5e-60;
Matches 100; Conservative 2; Mismatches 0; Gaps 0;
QY 1 QDWLTFQKKHLTNTTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 60
Db 1 QDWLTFQKKHITNTTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 60
QY 61 SEFYLSDCNVTSPCKYKLLKSTNTFCVTCENQAPVHFVGVGHC 104
Db 61 SEFYLSDCNVTSPCKYKLLKSTNTFCVTCENQAPVHFVGVGSC 104
RESULT 3
US-09-687-748-1
; Sequence 1, Application US/09687748
; Patent No. 6423515
; GENERAL INFORMATION:
; APPLICANT: Saxena, Shailendra K
; TITLE OF INVENTION: METHODS OF MAKING NUCLEIC ACIDS ENCODING RIBONUCLEASES
; FILE REFERENCE: 5013 US 01
; CURRENT APPLICATION NUMBER: US/09/687,748
; CURRENT FILING DATE: 2000-10-14
; PRIOR APPLICATION NUMBER: 09/394,268
; PRIOR FILING DATE: 1999-09-10
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 104
; TYPE: PRT
; ORGANISM: Rana pipiens
US-09-687-748-1

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US-09-095-429-1
; Sequence 1, Application US/09095429
; Patent No. 6649393
; GENERAL INFORMATION:
; APPLICANT: Youle, Richard
; APPLICANT: Vasandani, Veena
; APPLICANT: Wu, Yon-Neng
; APPLICANT: Boix, Ester
; APPLICANT: Ardelit, Wojciech
; TITLE OF INVENTION: A Mutant Form of Cytotoxic Protein Which
; TITLE OF INVENTION: Allows Production by Recombinant Methods
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew
; STREET: One Market Plaza, Steuart Street Tower
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94105-1492
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/095,429
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/626,288
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Ran, David B.
; REGISTRATION NUMBER: 38,589
; REFERENCE/DOCKET NUMBER: 15280-267
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 543-9600
; TELEFAX: (415) 543-5043
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 104 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-095-429-1

Query Match          96.2%; Score 556; DB 4; Length 104;
Best Local Similarity 96.2%; Pred. No. 5e-60;
Matches 100; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 QDWLTQKKHLTNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLTT 60
Db 1 QDWLTQKKHLTNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLTT 60

QY 61 SEFYLSDCNVTSPCKYKLLKKSNTFCVTCENQAPVHFVGVGHC 104
Db 61 SEFYLSDCNVTSPCKYKLLKKSNTFCVTCENQAPVHFVGVGSC 104

RESULT 6
US-08-875-811-63
; Sequence 63, Application US/08875811
; Patent No. 6045793
; GENERAL INFORMATION:
; APPLICANT: Rybak, Susanna M.
; APPLICANT: Newton, Dianne L.
; APPLICANT: Boque, Lluís
; APPLICANT: Wlodawer, Alexander
; TITLE OF INVENTION: Recombinant Ribonuclease Proteins
; NUMBER OF SEQUENCES: 64
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/875,811

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; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/875,811
; FILING DATE: 19-FEB-1998
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/US97/02588
; FILING DATE: 19-FEB-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/011,800
; FILING DATE: 21-FEB-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Faris, Susan K.
; REGISTRATION NUMBER: 41,739
; REFERENCE/DOCKET NUMBER: 015280-244100US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 63:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 129 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-875-811-63

Query Match          96.2%; Score 556; DB 3; Length 129;
Best Local Similarity 96.2%; Pred. No. 6.7e-60;
Matches 100; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 QDWLTQKKHLTNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLTT 60
Db 26 QDWLTQKKHLTNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLTT 85

QY 61 SEFYLSDCNVTSPCKYKLLKKSNTFCVTCENQAPVHFVGVGHC 104
Db 86 SEFYLSDCNVTSPCKYKLLKKSNTFCVTCENQAPVHFVGVGSC 129

RESULT 7
US-08-875-811-43
; Sequence 43, Application US/08875811
; Patent No. 6045793
; GENERAL INFORMATION:
; APPLICANT: Rybak, Susanna M.
; APPLICANT: Newton, Dianne L.
; APPLICANT: Boque, Lluís
; APPLICANT: Wlodawer, Alexander
; TITLE OF INVENTION: Recombinant Ribonuclease Proteins
; NUMBER OF SEQUENCES: 64
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/875,811

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; TELEPHONE: 718-625-0399
; TELEFAX: 718-825-0399
; TELEX: No. 5529775 Applicable
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 104 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: N
; ANTI-SENSE: N
; FRAGMENT TYPE: N-terminal
; ORIGINAL SOURCE:
; ORGANISM: Rana pipiens
; DEVELOPMENTAL STAGE: Embryo
;
US-08-283-971-1

Query Match          95.7%; Score 553; DB 1; Length 104;
Best Local Similarity 95.2%; Pred. No. 1.2e-59;
Matches 99; Conservative 3; Mismatches 2; Indels 0; Gaps

QY      1 QDWLTFQKKHLNTRDVCNNMTSMNLPHCKDKNTFIYSRPPVPAICKGIIASKNVLT 60
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Db      1 EDWLIFQKKHINTRDVCNIMSTNLPHCKDKNTFIYSRPPVPAICKGIIASKNVLT 60

QY      61 SFPLYSDCNVTRPCKYKLIKSTNTFCVTCENQAPVHFGVGH 104
Db      61 SFPLYSDCNVTRPCKYKLIKSTNTFCVTCENQAPVHFGVGC 104

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GENERAL INFORMATION:
APPLICANT: Ardelit Ph.D, Wojciech J.
APPLICANT: Mikulski, Stanislaw M.
TITLE OF INVENTION: PHARMACEUTICAL FOR TREATING TUMORS IN HUMANS
NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
ADDRESSEE: Mark H. Jay, P.C.
STREET: P.O. Box 020083, General Post Office
CITY: Brooklyn
STATE: New York
COUNTRY: USA
ZIP: 11202-0002
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.24
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/921,619
FILING DATE: 19920728
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/178,118
FILING DATE: 06-APR-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/436,141
FILING DATE: 13-NOV-1989
ATTORNEY/AGENT INFORMATION:
NAME: Jay, Mark H.
REGISTRATION NUMBER: 27507
REFERENCE/DOCKET NUMBER: 5005 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 718-625-0399
TELEFAX: 718-625-0399
TELEX: No. 5595734 Applicable
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:

LENGTH: 104 amino acids
TYPE: AMINO ACID
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: N
ANTI-SENSE: N
FRAGMENT TYPE: N-terminal
ORIGINAL SOURCE:
ORGANISM: Rana pipiens
DEVELOPMENTAL STAGE: Embryo
US-07-921-619-1

Query Match 95.7%; Score 553; DB 1; Length 104;
Best Local Similarity 95.2%; Pred. No. 1.2e-59;
Matches 99; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

Qy 1 QDWTFQKKHITNTRDVCNIMSTNLFHCKDKKNTFIYSRPEPVKAICKGIIASKNVLT 60
Db 1 EDWTFQKKHITNTRDVCNIMSTNLFHCKDKKNTFIYSRPEPVKAICKGIIASKNVLT 60

Qy 61 SEFYLSDCNVTSRPCKYKLLKXSTNTFCVTCENQAPVHFVGVGHC 104
Db 61 SEFYLSDCNVTSRPCKYKLLKXSTNTFCVTCENQAPVHFVGVGSC 104

RESULT 10
US-08-467-955-1
Sequence 1, Application US/08467955
Patent No. 5728805
GENERAL INFORMATION:
APPLICANT: Ardelit Ph.D, Wojciech J.
TITLE OF INVENTION: PHARMACEUTICALS AND METHOD FOR MAKING THEM
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: Mark H. Jay, P.A.
STREET: P.O. Box E
CITY: Short Hills
STATE: New Jersey
COUNTRY: USA
ZIP: 07078-0383
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.24
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,955
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/178,118
FILING DATE: 06-APR-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/436,141
FILING DATE: 13-NOV-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/814,332
FILING DATE: 03-FEB-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/283,970
FILING DATE: 01-AUG-1994
ATTORNEY/AGENT INFORMATION:
NAME: Jay, Mark H.
REGISTRATION NUMBER: 27507
REFERENCE/DOCKET NUMBER: 5007 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-912-9066
TELEFAX: 201-912-0442
TELEX: No. 5728805 Applicable
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 104 amino acids

TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: N
ANTI-SENSE: N
FRAGMENT TYPE: N-terminal
ORIGINAL SOURCE:
ORGANISM: Rana pipiens
DEVELOPMENTAL STAGE: Oocyte
US-08-467-955-1

Query Match 95.7%; Score 553; DB 1; Length 104;
Best Local Similarity 95.2%; Pred. No. 1.2e-59;
Matches 99; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

Qy 1 QDWTFQKKHITNTRDVCNIMSTNLFHCKDKKNTFIYSRPEPVKAICKGIIASKNVLT 60
Db 1 EDWTFQKKHITNTRDVCNIMSTNLFHCKDKKNTFIYSRPEPVKAICKGIIASKNVLT 60

Qy 61 SEFYLSDCNVTSRPCKYKLLKXSTNTFCVTCENQAPVHFVGVGHC 104
Db 61 SEFYLSDCNVTSRPCKYKLLKXSTNTFCVTCENQAPVHFVGVGSC 104

RESULT 11
US-08-891-848-13
Sequence 13, Application US/08891848
Patent No. 5955073
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Youle, Richard J.
APPLICANT: Newton, Dianne L.
APPLICANT: Nicholls, Peter J.
TITLE OF INVENTION: Selective RNase Cytotoxic Reagents
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/891,848
FILING DATE: No. 5955073 yet assigned
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/125,462
FILING DATE: 22-SEP-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/014,082
FILING DATE: 04-FEB-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/779,195
FILING DATE: 22-OCT-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/510,696
FILING DATE: 20-APR-1990
ATTORNEY/AGENT INFORMATION:
NAME: Weber, Ellen Lauver
REGISTRATION NUMBER: 32,762
REFERENCE/DOCKET NUMBER: 015280-110310US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:

LENGTH: 104 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: Protein
LOCATION: 1..104
OTHER INFORMATION: /label= Onc
OTHER INFORMATION: /note= "Oncnase from Rana pipiens"
US-08-891-848-13

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Best Local Similarity 95.2%; Pred. No. 1.2e-59;
Matches 99; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

Qy 1 QDWLTFQKKHLTNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 60
Db 1 EDWLTFOKKHITNTRDVCDDNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 60

Qy 61 SEFYLSDCNVTSRPCKYKLLKXSTNTFCVTCENQAPVHFVGVGHC 104
Db 61 SEFYLSDCNVTSRPCKYKLLKXSTNTFCVTCENQAPVHFVGVGSC 105

RESULT 13
US-08-875-811-41
; Sequence 41, Application US/08875811
; Patent No. 6045793
; GENERAL INFORMATION:
; APPLICANT: Rybak, Susanna M.
; APPLICANT: Newton, Dianne L.
; APPLICANT: Boque, Lluis
; APPLICANT: Wlodawer, Alexander
; TITLE OF INVENTION: Recombinant Ribonuclease Proteins
; NUMBER OF SEQUENCES: 64
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/875,811
; FILING DATE: 19-FEB-1998
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/US97/02588
; FILING DATE: 19-FEB-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/011,800
; FILING DATE: 21-FEB-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Faris, Susan K.
; REGISTRATION NUMBER: 41,739
; REFERENCE/DOCKET NUMBER: 015280-244100US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 41:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 355 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-875-811-41

Query Match 95.7%; Score 553; DB 3; Length 355;
Best Local Similarity 95.2%; Pred. No. 5.8e-59;
Matches 99; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

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Db 252 EDWLTFOKKHITNTRDVCDDNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 311

Qy 61 SEFYLSDCNVTSRPCKYKLLKXSTNTFCVTCENQAPVHFVGVGHC 104
Db 312 SEFYLSDCNVTSRPCKYKLLKXSTNTFCVTCENQAPVHFVGVGSC 355

LENGTH: 104 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: Protein
LOCATION: 1..104
OTHER INFORMATION: /label= Onc
OTHER INFORMATION: /note= "Oncnase from Rana pipiens"
US-08-891-848-13

Query Match 95.7%; Score 553; DB 2; Length 104;
Best Local Similarity 95.2%; Pred. No. 1.2e-59;
Matches 99; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

Qy 1 QDWLTFQKKHLTNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 60
Db 1 EDWLTFOKKHITNTRDVCDDNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 60

Qy 61 SEFYLSDCNVTSRPCKYKLLKXSTNTFCVTCENQAPVHFVGVGHC 104
Db 61 SEFYLSDCNVTSRPCKYKLLKXSTNTFCVTCENQAPVHFVGVGSC 104

RESULT 12
US-08-875-811-39
; Sequence 39, Application US/08875811
; Patent No. 6045793
; GENERAL INFORMATION:
; APPLICANT: Rybak, Susanna M.
; APPLICANT: Newton, Dianne L.
; APPLICANT: Boque, Lluis
; APPLICANT: Wlodawer, Alexander
; TITLE OF INVENTION: Recombinant Ribonuclease Proteins
; NUMBER OF SEQUENCES: 64
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/875,811
; FILING DATE: 19-FEB-1998
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/US97/02588
; FILING DATE: 19-FEB-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/011,800
; FILING DATE: 21-FEB-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Faris, Susan K.
; REGISTRATION NUMBER: 41,739
; REFERENCE/DOCKET NUMBER: 015280-244100US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 39:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 105 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-875-811-39

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RESULT 14
US-08-875-811-51
; Sequence 51, Application US/08875811
; Patent No. 6045793
; GENERAL INFORMATION:
; APPLICANT: Rybak, Susanna M.
; APPLICANT: Newton, Dianne L.
; APPLICANT: Boque, Lluis
; APPLICANT: Wlodawer, Alexander
; TITLE OF INVENTION: Recombinant Ribonuclease Proteins
; NUMBER OF SEQUENCES: 64
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/875,811
; FILING DATE: 19-FEB-1998
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/US97/02588
; FILING DATE: 19-FEB-1997
; APPLICATION NUMBER: US 60/011,800
; FILING DATE: 21-FEB-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Faris, Susan K.
; REGISTRATION NUMBER: 41,739
; REFERENCE/DOCKET NUMBER: 015280-244100US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0300
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 51:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 358 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-875-811-51

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Best Local Similarity 95.2%; Pred. No. 5.9e-59;
Matches 99; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

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Db 2 EDWLTQKKHITNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIITASKNVLTT 61

QY 61 SEFYLSDCNVTSPCKYKLLKSKSTNTFCVTCENQAPVHFVGVGHC 104
Db 62 SEFYLSDCNVTSPCKYKLLKSKSTNTFCVTCENQAPVHFVGVGSC 105

RESULT 15
US-08-875-811-1
; Sequence 1, Application US/08875811
; Patent No. 6045793
; GENERAL INFORMATION:
; APPLICANT: Rybak, Susanna M.
; APPLICANT: Newton, Dianne L.
; APPLICANT: Boque, Lluis
; APPLICANT: Wlodawer, Alexander
; TITLE OF INVENTION: Recombinant Ribonuclease Proteins
; NUMBER OF SEQUENCES: 64
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; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/875,811
; FILING DATE: 19-FEB-1998
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/US97/02588
; FILING DATE: 19-FEB-1997
; APPLICATION NUMBER: US 60/011,800
; FILING DATE: 21-FEB-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Faris, Susan K.
; REGISTRATION NUMBER: 41,739
; REFERENCE/DOCKET NUMBER: 015280-244100US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0300
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 104 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FEATURE:
; NAME/KEY: Protein
; LOCATION: 1..104
; OTHER INFORMATION: /label= nOnc
; OTHER INFORMATION: /note= "native ONCONASE (registered
; OTHER INFORMATION: Trademark) from Rana pipiens"
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 1
; OTHER INFORMATION: /note= "Xaa = pyroglutamic acid"
; US-08-875-811-1

Query Match 95.3%; Score 551; DB 3; Length 104;
Best Local Similarity 96.1%; Pred. No. 2e-59;
Matches 99; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 2 DMLTFQKKHLNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIITASKNVLTT 61
Db 2 DMLTFQKKHITNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIITASKNVLTT 61

QY 62 EFYLSDCNVTSPCKYKLLKSKSTNTFCVTCENQAPVHFVGVGHC 104
Db 62 EFYLSDCNVTSPCKYKLLKSKSTNTFCVTCENQAPVHFVGVGSC 104

Search completed: October 19, 2004, 09:24:42
Job time : 23.6411 secs
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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: October 19, 2004, 09:04:37 ; Search time 69.1675 Seconds
(without alignments)
486.141 Million cell updates/sec

Title: US-09-622-613C-2

Perfect score: 578

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Gapop 10.0 , Gapext 0.5

Searched: 1360919 seqs, 323318874 residues

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Minimum DB seq length: 0

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Post-processing: Minimum Match 0%

Listing first 45 summaries

Database :

Published Applications AA:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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3	578	100.0	105	10	US-09-961-400-6
4	578	100.0	127	10	US-09-948-391A-28
5	578	100.0	127	10	US-09-961-400-28
6	575	99.5	111	10	US-09-961-400-9
7	573	99.1	104	10	US-09-948-391A-11
8	573	99.1	104	10	US-09-961-400-11
9	573	99.1	105	10	US-09-948-391A-13
10	573	99.1	105	10	US-09-961-400-13
11	569	98.4	104	10	US-09-948-391A-2
12	569	98.4	104	10	US-09-948-391A-4
13	569	98.4	104	10	US-09-961-400-4
14	565	97.8	105	10	US-09-961-400-8
15	565	97.8	105	10	US-09-961-400-8

15	560	96.9	105	10	US-09-948-391A-8	Sequence 8, Appli
16	560	96.9	111	10	US-09-948-391A-9	Sequence 9, Appli
17	556	96.2	104	16	US-10-331-910-9	Sequence 9, Appli
18	556	96.2	105	14	US-10-153-882-2	Sequence 2, Appli
19	551	95.3	104	9	US-09-986-119-1	Sequence 1, Appli
20	551	95.3	104	10	US-09-918-887-1	Sequence 1, Appli
21	551	95.3	104	16	US-10-331-910-5	Sequence 5, Appli
22	548	94.8	104	15	US-10-461-713-53	Sequence 53, Appli
23	548	94.8	104	16	US-10-331-910-1	Sequence 1, Appli
24	445	77.0	83	9	US-09-986-119-3	Sequence 3, Appli
25	445	77.0	83	10	US-09-918-887-3	Sequence 3, Appli
26	281.5	48.7	110	10	US-09-948-391A-15	Sequence 15, Appli
27	281.5	48.7	110	10	US-09-961-400-15	Sequence 15, Appli
28	281.5	48.7	111	10	US-09-961-400-17	Sequence 17, Appli
29	277.5	48.0	110	10	US-09-961-400-19	Sequence 19, Appli
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35	276.5	47.8	110	10	US-09-961-400-24	Sequence 24, Appli
36	276.5	47.8	111	10	US-09-948-391A-26	Sequence 26, Appli
37	276.5	47.8	111	10	US-09-961-400-26	Sequence 26, Appli
38	275.5	47.7	111	10	US-09-948-391A-17	Sequence 17, Appli
39	271.5	47.0	110	10	US-09-948-391A-19	Sequence 19, Appli
40	157.5	27.2	169	13	US-10-016-447-2	Sequence 2, Appli
41	149	25.8	119	15	US-10-074-978A-139	Sequence 139, App
42	149	25.8	119	15	US-10-016-248-89	Sequence 89, Appl
43	130.5	22.6	145	15	US-10-432-819-34	Sequence 34, Appl
44	128.5	22.2	124	13	US-10-016-447-5	Sequence 5, Appli
45	125	21.6	124	15	US-10-037-417-103	Sequence 103, App

ALIGNMENTS

RESULT 1

US-09-961-400-2
; Sequence 2, Application US/09961400
; Publication No. US20030124131A1
; GENERAL INFORMATION:
; APPLICANT: RYBAK, SUSANNA M.
; APPLICANT: GOLDENBERG, DAVID M.
; APPLICANT: NEWTON, DIANNE L.
; TITLE OF INVENTION: IMMUNOCONJUGATES OF TOXINS DIRECTED AGAINST MALIGNANT
; TITLE OF INVENTION: CELLS
; FILE REFERENCE: 018733/1059
; CURRENT FILING DATE: 2001-09-25
; PRIOR FILING DATE: 2000-08-17
; PRIOR FILING DATE: 1999-03-26
; PRIOR FILING DATE: 1998-03-26
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 104
; TYPE: PRT
; ORGANISM: Rana pipiens
US-09-961-400-2

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Best Local Similarity	100.0%;	Pred. No. 1.6e-56;		
Matches 104;	Conservative	0;	Mismatches	0;
			Indels	0;
			Gaps	0;
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Db 61 SEFYLSDCNVTSRPCYKYLKSKTNTFCVTCENQAPVHFVGVGHC 104

RESULT 2

US-09-948-391A-6

; Sequence 6, Application US/09948391A

; Publication No. US20030027311A1

; GENERAL INFORMATION:

; APPLICANT: Rybak, Susanna M.

; APPLICANT: Newton, Dianne L.

; APPLICANT: The United States of America

; APPLICANT: as represented by The Secretary of the

; APPLICANT: Department of Health and Human Services

; TITLE OF INVENTION: Recombinant Anti-Tumor RNase

; FILE REFERENCE: 015280-343110US

; CURRENT APPLICATION NUMBER: US/09/948,391A

; CURRENT FILING DATE: 2002-05-10

; PRIOR APPLICATION NUMBER: US 60/079,751

; PRIOR FILING DATE: 1998-03-27

; PRIOR APPLICATION NUMBER: WO PCT/US99/06641

; PRIOR FILING DATE: 1999-03-26

; PRIOR APPLICATION NUMBER: US 09/622,613

; PRIOR FILING DATE: 2000-08-17

; NUMBER OF SEQ ID NOS: 43

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 6

; LENGTH: 105

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE: Description of Artificial Sequence:Rana pipiens

; OTHER INFORMATION: ribonuclease with Met at position 1 (recombinant

; OTHER INFORMATION: Met(-1) RaPLR1)

; US-09-948-391A-6

Query Match 100.0%; Score 578; DB 10; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.6e-56;
Matches 104; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 61 SEFYLSDCNVTSRPCYKYLKSKTNTFCVTCENQAPVHFVGVGHC 104

Db 62 SEFYLSDCNVTSRPCYKYLKSKTNTFCVTCENQAPVHFVGVGHC 105

RESULT 3

US-09-961-400-6

; Sequence 6, Application US/09961400

; Publication No. US20030124131A1

; GENERAL INFORMATION:

; APPLICANT: RYBAK, SUSANNA M.

; APPLICANT: GOLDENBERG, DAVID M.

; APPLICANT: NEWTON, DIANNE L.

; TITLE OF INVENTION: IMMUNOCONJUGATES OF TOXINS DIRECTED AGAINST MALIGNANT

; TITLE OF INVENTION: CELLS

; FILE REFERENCE: 018733/1059

; CURRENT APPLICATION NUMBER: US/09/961,400

; CURRENT FILING DATE: 2001-09-25

; PRIOR APPLICATION NUMBER: 09/622,613

; PRIOR FILING DATE: 2000-08-17

; PRIOR APPLICATION NUMBER: PCT/US99/06641

; PRIOR FILING DATE: 1999-03-26

; PRIOR APPLICATION NUMBER: 60/079,751

; PRIOR FILING DATE: 1998-03-26

; NUMBER OF SEQ ID NOS: 43

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 6

; LENGTH: 105

; TYPE: PRT

; ORGANISM: Rana pipiens

US-09-961-400-6

Query Match 100.0%; Score 578; DB 10; Length 105;

Best Local Similarity 100.0%; Pred. No. 1.6e-56;

Matches 104; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 2 QDWLTFQKKHLTNTFRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 61

QY 61 SEFYLSDCNVTSRPCYKYLKSKTNTFCVTCENQAPVHFVGVGHC 104

Db 62 SEFYLSDCNVTSRPCYKYLKSKTNTFCVTCENQAPVHFVGVGHC 105

RESULT 4

US-09-948-391A-28

; Sequence 28, Application US/09948391A

; Publication No. US20030027311A1

; GENERAL INFORMATION:

; APPLICANT: Rybak, Susanna M.

; APPLICANT: Newton, Dianne L.

; APPLICANT: The United States of America

; APPLICANT: as represented by The Secretary of the

; APPLICANT: Department of Health and Human Services

; TITLE OF INVENTION: Recombinant Anti-Tumor RNase

; FILE REFERENCE: 015280-343110US

; CURRENT APPLICATION NUMBER: US/09/948,391A

; CURRENT FILING DATE: 2002-05-10

; PRIOR APPLICATION NUMBER: US 60/079,751

; PRIOR FILING DATE: 1998-03-27

; PRIOR APPLICATION NUMBER: WO PCT/US99/06641

; PRIOR FILING DATE: 1999-03-26

; PRIOR APPLICATION NUMBER: US 09/622,613

; PRIOR FILING DATE: 2000-08-17

; NUMBER OF SEQ ID NOS: 43

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 28

; LENGTH: 127

; TYPE: PRT

; ORGANISM: Rana pipiens

; FEATURE:

; OTHER INFORMATION: Rana pipiens ribonuclease (RaPLR1) Clone 5alb cdna

; OTHER INFORMATION: insert

; US-09-948-391A-28

Query Match 100.0%; Score 578; DB 10; Length 127;

Best Local Similarity 100.0%; Pred. No. 2e-56;

Matches 104; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QDWLTFQKKHLTNTFRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 60

Db 24 QDWLTFQKKHLTNTFRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 83

QY 61 SEFYLSDCNVTSRPCYKYLKSKTNTFCVTCENQAPVHFVGVGHC 104

Db 84 SEFYLSDCNVTSRPCYKYLKSKTNTFCVTCENQAPVHFVGVGHC 127

RESULT 5

US-09-961-400-28

; Sequence 28, Application US/09961400

; Publication No. US20030124131A1

; GENERAL INFORMATION:

; APPLICANT: RYBAK, SUSANNA M.

; APPLICANT: GOLDENBERG, DAVID M.

; APPLICANT: NEWTON, DIANNE L.

; TITLE OF INVENTION: IMMUNOCONJUGATES OF TOXINS DIRECTED AGAINST MALIGNANT

; TITLE OF INVENTION: CELLS

; FILE REFERENCE: 018733/1059

; CURRENT APPLICATION NUMBER: US/09/961,400

; CURRENT FILING DATE: 2001-09-25

; PRIOR APPLICATION NUMBER: 09/622,613

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/ PRIOR FILING DATE: 2000-08-17
/ PRIOR APPLICATION NUMBER: PCT/US99/06641
/ PRIOR FILING DATE: 1999-03-26
/ PRIOR APPLICATION NUMBER: 60/079,751
/ PRIOR FILING DATE: 1998-03-26
/ NUMBER OF SEQ ID NOS: 43
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 28
/ LENGTH: 127
/ TYPE: PRT
/ ORGANISM: Rana pipiens
US-09-961-400-28

Query Match          100.0%; Score 578; DB 10; Length 127;
Best Local Similarity 100.0%; Pred. No. 2e-56;
Matches 104; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QDWLTFQKKHLTNRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 60
Db 24 QDWLTFQKKHLTNRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 83
QY 61 SEFYLSDCNVTSPCKYKLLKKSNTFCVTCENQAPVHFVGVC 104
Db 84 SEFYLSDCNVTSPCKYKLLKKSNTFCVTCENQAPVHFVGVC 127

RESULT 6
US-09-961-400-9
/ Sequence 9, Application US/09961400
/ Publication No. US20030124131A1
/ GENERAL INFORMATION:
/ APPLICANT: RYBAK, SUSANNA M.
/ APPLICANT: GOLDENBERG, DAVID M.
/ APPLICANT: NEWTON, DIANNE L.
/ TITLE OF INVENTION: IMMUNOCONJUGATES OF TOXINS DIRECTED AGAINST MALIGNANT
/ FILE REFERENCE: 018733/1059
/ CURRENT APPLICATION NUMBER: US/09/961,400
/ PRIOR FILING DATE: 2001-09-25
/ PRIOR APPLICATION NUMBER: 09/622,613
/ PRIOR FILING DATE: 2000-08-17
/ PRIOR APPLICATION NUMBER: PCT/US99/06641
/ PRIOR FILING DATE: 1999-03-26
/ PRIOR APPLICATION NUMBER: 60/079,751
/ PRIOR FILING DATE: 1998-03-26
/ NUMBER OF SEQ ID NOS: 43
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 9
/ LENGTH: 111
/ TYPE: PRT
/ ORGANISM: Rana pipiens
US-09-961-400-9

Query Match          99.5%; Score 575; DB 10; Length 111;
Best Local Similarity 99.0%; Pred. No. 3.7e-56;
Matches 103; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 QDWLTFQKKHLTNRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 60
Db 8 QDWLTFQKKHLTNRDVCNNILSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 67
QY 61 SEFYLSDCNVTSPCKYKLLKKSNTFCVTCENQAPVHFVGVC 104
Db 68 SEFYLSDCNVTSPCKYKLLKKSNTFCVTCENQAPVHFVGVC 111

RESULT 7
US-09-948-391A-11
/ Sequence 11, Application US/09948391A
/ Publication No. US20030027311A1
/ GENERAL INFORMATION:
/ APPLICANT: Rybak, Susanna M.
/ APPLICANT: Newton, Dianne L.
```

```
/ APPLICANT: The United States of America
/ APPLICANT: as represented by The Secretary of the
/ APPLICANT: Department of Health and Human Services
/ TITLE OF INVENTION: Recombinant Anti-Tumor RNase
/ FILE REFERENCE: 015280-343110US
/ CURRENT APPLICATION NUMBER: US/09/948,391A
/ CURRENT FILING DATE: 2002-05-10
/ PRIOR APPLICATION NUMBER: US 60/079,751
/ PRIOR FILING DATE: 1998-03-27
/ PRIOR APPLICATION NUMBER: WO PCT/US99/06641
/ PRIOR FILING DATE: 1999-03-26
/ PRIOR APPLICATION NUMBER: US 09/622,613
/ PRIOR FILING DATE: 2000-08-17
/ NUMBER OF SEQ ID NOS: 43
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 11
/ LENGTH: 104
/ TYPE: PRT
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence:Rana pipiens
/ OTHER INFORMATION: ribonuclease with Gln1ser substitution
/ OTHER INFORMATION: (recombinant RapLR1 Q1S)
US-09-948-391A-11

Query Match          99.1%; Score 573; DB 10; Length 104;
Best Local Similarity 100.0%; Pred. No. 5.8e-56;
Matches 103; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 DMLTFQKKHLTNRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 61
Db 2 DMLTFQKKHLTNRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 61
QY 62 EFYLSDCNVTSPCKYKLLKKSNTFCVTCENQAPVHFVGVC 104
Db 62 EFYLSDCNVTSPCKYKLLKKSNTFCVTCENQAPVHFVGVC 104

RESULT 8
US-09-961-400-11
/ Sequence 11, Application US/09961400
/ Publication No. US20030124131A1
/ GENERAL INFORMATION:
/ APPLICANT: RYBAK, SUSANNA M.
/ APPLICANT: GOLDENBERG, DAVID M.
/ APPLICANT: NEWTON, DIANNE L.
/ TITLE OF INVENTION: IMMUNOCONJUGATES OF TOXINS DIRECTED AGAINST MALIGNANT
/ FILE REFERENCE: 018733/1059
/ CURRENT APPLICATION NUMBER: US/09/961,400
/ PRIOR FILING DATE: 2001-09-25
/ PRIOR APPLICATION NUMBER: 09/622,613
/ PRIOR FILING DATE: 2000-08-17
/ PRIOR APPLICATION NUMBER: PCT/US99/06641
/ PRIOR FILING DATE: 1999-03-26
/ PRIOR APPLICATION NUMBER: 60/079,751
/ PRIOR FILING DATE: 1998-03-26
/ NUMBER OF SEQ ID NOS: 43
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 11
/ LENGTH: 104
/ TYPE: PRT
/ ORGANISM: Rana pipiens
US-09-961-400-11

Query Match          99.1%; Score 573; DB 10; Length 104;
Best Local Similarity 100.0%; Pred. No. 5.8e-56;
Matches 103; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 DMLTFQKKHLTNRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 61
Db 2 DMLTFQKKHLTNRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 61
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QY 62 EFYLSDCNVTSRCPCKYKLKKSINTFCVTCENQAPVHFVGVGHC 104
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Dd 62 EFYLSDCNVTSRCPCKYKLKKSINTFCVTCENQAPVHFVGVGHC 104

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RESULT 9
US-09-948-391A-13
; Sequence 13, Application US/09948391A
; Publication No. US20030027311A1
; GENERAL INFORMATION:
; APPLICANT: Rybak, Susanna M.
; APPLICANT: Newton, Dianne L.
; APPLICANT: The United States of America
; APPLICANT: as represented by The Secretary of the
; APPLICANT: Department of Health and Human Services
; TITLE OF INVENTION: Recombinant Anti-Tumor RNase
; FILE REFERENCE: 015280-143110US
; CURRENT APPLICATION NUMBER: US/09/948,391A
; CURRENT FILING DATE: 2002-05-10
; PRIOR APPLICATION NUMBER: US 60/079,751
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: WO PCT/US99/06641
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: US 0/622,613
; PRIOR FILING DATE: 2000-08-17
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 13
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence
; OTHER INFORMATION: ribonuclease with Met at position 1
; OTHER INFORMATION: substitution (recombinant Met(-))
US-09-948-391A-13

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Query Match      99.1%; Score 573; DB 10; Length 105;
Best Local Similarity 100.0%; Pred. No. 5.8e-56;
Matches 103; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy  2 DWLTFQKKHLINTRDVCNNIMSNLPHCKDKNTFIYSRPEPVKAI CKGIASKNVLTTS 61
      |||||
Db  3 DWLTFQKKHLINTRDVCNNIMSNLPHCKDKNTFIYSRPEPVKAI CKGIASKNVLTTS 62
      |||||

Qy  62 EFYLSDCNVTSRPCKYKKKSTNTFCVTCENQAPVHFVGVGHC 104
      |||||
Db  63 EFYLSDCNVTSRPCKYKKKSTNTFCVTCENQAPVHFVGVGHC 105
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RESULT 10
US-09-961-400-13
; Sequence 13, Application US/09961400
; Publication No. US20030124131A1
; GENERAL INFORMATION:
; APPLICANT: RYBAK, SUSANNA M.
; APPLICANT: GOLDENBERG, DAVID M.
; APPLICANT: NEWTON, DIANNE L.
; TITLE OF INVENTION: IMMUNOCONJUGATES OF TOXINS DIRECTED AGAINST MALIGNANT
; TITLE OF INVENTION: CELLS
; FILE REFERENCE: 018733/1059
; CURRENT APPLICATION NUMBER: US/09/961.400
; CURRENT FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: 09/622,613
; PRIOR FILING DATE: 2000-08-17
; APPLICANT: PCT/US99/06641
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: 60/079,751
; PRIOR FILING DATE: 1998-03-26
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 13
; LENGTH: 105

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; TYPE: PRT
; ORGANISM: Rana pipiens
US-09-361-400-13

      99.1%; Score 573; DB 10; Length 105;
      Best Local Similarity 100.0%; Pred. No. 5.8e-56;
      Matches 103; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 DWLTFQKKHLITRFDVDCNNIMSTNLPHCKDKNTFIYSRPEPVKAICKGIASKNVLITS 61
      |||||
Db      3 DWLTFQKKHLITRFDVDCNNIMSTNLPHCKDKNTFIYSRPEPVKAICKGIASKNVLITS 62
      |||||

QY      62 EFLYSDCNVTSRCKYKLLKKSNTFTVCTCENQAPVHFVGVC 104
      |||||
Db      63 EFLYSDCNVTSRCKYKLLKKSNTFTVCTCENQAPVHFVGVC 105
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RESULT 11
US-09-948-391A-2
; Sequence 2, Application US/09948391A
; Publication No. US20030027311A1
; GENERAL INFORMATION:
; APPLICANT: Rybak, Susanna M.
; APPLICANT: Newton, Dianne L.
; APPLICANT: The United States of America
; APPLICANT: as represented by The Secretary of the
; APPLICANT: Department of Health and Human Services
; TITLE OF INVENTION: Recombinant Anti-Tumor RNase
; FILE REFERENCE: 015280-343110US
; CURRENT APPLICATION NUMBER: US/09/948,391A
; CURRENT FILING DATE: 2002-05-10
; PRIOR APPLICATION NUMBER: US 60/079,751
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: WO PCT/US99/06641
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: US 09/622,613
; PRIOR FILING DATE: 2000-08-17
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 104
; TYPE: PRT
; ORGANISM: Rana pipiens
; FEATURE:
; OTHER INFORMATION: ribonuclease (RaFLR1)
US-09-948-391A-2

RESULT 12
US-09-948-391A-4
; Sequence 4, Application US/09948391A
; Publication No. US20030027311A1
; GENERAL INFORMATION:
; APPLICANT: Rybak, Susanna M.
; APPLICANT: Newton, Dianne L.
; APPLICANT: The United States of America
; APPLICANT: as represented by The Secretary of the
; APPLICANT: Department of Health and Human Services
; TITLE OF INVENTION: Recombinant Anti-Tumor RNase
; FILE REFERENCE: 015280-343110US
; CURRENT APPLICATION NUMBER: US/09/948.391A

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/ CURRENT FILING DATE: 2002-05-10
/ PRIOR APPLICATION NUMBER: US 60/079,751
/ PRIOR FILING DATE: 1998-03-27
/ PRIOR APPLICATION NUMBER: WO PCT/US99/06641
/ PRIOR FILING DATE: 1999-03-26
/ PRIOR APPLICATION NUMBER: US 09/622,613
/ PRIOR FILING DATE: 2000-08-17
/ NUMBER OF SEQ ID NOS: 43
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 4
/ LENGTH: 104
/ TYPE: PRT
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence:Rana pipiens
/ OTHER INFORMATION: ribonuclease with Met23leu substitution
/ OTHER INFORMATION: (recombinant RapLR1 Met23leu)
US-09-948-391A-4

Query Match          98.4%; Score 569; DB 10; Length 104;
Best Local Similarity 98.1%; Pred. No. 1.6e-55;
Matches 102; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 QDWLTQKXHLTNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIASKNVLT 60
Db 1 QDWLTQKXHLTNTRDVCNNILSTNLFHCKDKNTFIYSRPEPVKAICKGIASKNVLT 60

QY 61 SEFYSDCNVTSRCKYKLLKKSNTFCVTCENQAPVHFVGVC 104
Db 61 FEYLSDCNVTSPCKYKLLKKSNTFCVTCENQAPVHFVGVC 104

RESULT 13
US-09-961-400-4
/ Sequence 4, Application US/09961400
/ Publication No. US20030124131A1
/ GENERAL INFORMATION:
/ APPLICANT: RYBAK, SUSANNA M.
/ APPLICANT: GOLDENBERG, DAVID M.
/ APPLICANT: NEWTON, DIANNE L.
/ TITLE OF INVENTION: CELLS
/ FILE REFERENCE: 018733/1059
/ CURRENT APPLICATION NUMBER: US/09/961,400
/ PRIOR FILING DATE: 2001-09-25
/ PRIOR APPLICATION NUMBER: PCT/US99/06641
/ PRIOR FILING DATE: 1999-03-26
/ PRIOR APPLICATION NUMBER: 60/079,751
/ PRIOR FILING DATE: 1998-03-26
/ NUMBER OF SEQ ID NOS: 43
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 4
/ LENGTH: 104
/ TYPE: PRT
/ ORGANISM: Rana pipiens
US-09-961-400-4

Query Match          98.4%; Score 569; DB 10; Length 104;
Best Local Similarity 98.1%; Pred. No. 1.6e-55;
Matches 102; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 QDWLTQKXHLTNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIASKNVLT 60
Db 1 QDWLTQKXHLTNTRDVCNNILSTNLFHCKDKNTFIYSRPEPVKAICKGIASKNVLT 60

QY 61 SEFYSDCNVTSRCKYKLLKKSNTFCVTCENQAPVHFVGVC 104
Db 61 FEYLSDCNVTSPCKYKLLKKSNTFCVTCENQAPVHFVGVC 104

RESULT 14
US-09-948-391A-8
/ Sequence 8, Application US/09948391A
/ Publication No. US20030027311A1
/ GENERAL INFORMATION:
/ APPLICANT: RYBAK, SUSANNA M.
/ APPLICANT: NEWTON, DIANNE L.
/ APPLICANT: The United States of America
/ APPLICANT: as represented by The Secretary of the
/ APPLICANT: Department of Health and Human Services
/ TITLE OF INVENTION: Recombinant Anti-Tumor RNase
/ FILE REFERENCE: 015280-343110US
/ CURRENT APPLICATION NUMBER: US/09/948,391A
/ PRIOR FILING DATE: 2002-05-10
/ PRIOR APPLICATION NUMBER: US 60/079,751
/ PRIOR FILING DATE: 1998-03-27
/ PRIOR APPLICATION NUMBER: WO PCT/US99/06641
/ PRIOR FILING DATE: 1999-03-26
/ PRIOR APPLICATION NUMBER: US 09/622,613
/ PRIOR FILING DATE: 2000-08-17
/ NUMBER OF SEQ ID NOS: 43
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 8
/ LENGTH: 105
/ TYPE: PRT
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence:Rana pipiens
/ OTHER INFORMATION: ribonuclease with Met at position 1 and Met24leu
/ OTHER INFORMATION: substitution (recombinant Met(-1) RapLR1 Met23leu)
US-09-948-391A-8

Query Match          96.9%; Score 560; DB 10; Length 105;
Best Local Similarity 97.1%; Pred. No. 1.6e-54;
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US-09-961-400-8
/ Sequence 8, Application US/09961400
/ Publication No. US20030124131A1
/ GENERAL INFORMATION:
/ APPLICANT: RYBAK, SUSANNA M.
/ APPLICANT: GOLDENBERG, DAVID M.
/ APPLICANT: NEWTON, DIANNE L.
/ TITLE OF INVENTION: CELLS
/ FILE REFERENCE: 018733/1059
/ CURRENT APPLICATION NUMBER: US/09/961,400
/ PRIOR FILING DATE: 2001-09-25
/ PRIOR APPLICATION NUMBER: PCT/US99/06641
/ PRIOR FILING DATE: 1999-03-26
/ PRIOR APPLICATION NUMBER: 60/079,751
/ PRIOR FILING DATE: 1998-03-26
/ NUMBER OF SEQ ID NOS: 43
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 8
/ LENGTH: 105
/ TYPE: PRT
/ ORGANISM: Rana pipiens
US-09-961-400-8

Query Match          97.8%; Score 565; DB 10; Length 105;
Best Local Similarity 97.1%; Pred. No. 4.5e-55;
Matches 101; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 QDWLTQKXHLTNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIASKNVLT 60
Db 2 QDWLTQKXHLTNTRDVCNNILSTNLFHCKDKNTFIYSRPEPVKAICKGIASKNVLT 61

QY 61 SEFYSDCNVTSRCKYKLLKKSNTFCVTCENQAPVHFVGVC 104
Db 62 FEYLSDCNVTSPCKYKLLKKSNTFCVTCENQAPVHFVGVC 105

RESULT 15
US-09-948-391A-8
/ Sequence 8, Application US/09948391A
/ Publication No. US20030027311A1
/ GENERAL INFORMATION:
/ APPLICANT: RYBAK, SUSANNA M.
/ APPLICANT: NEWTON, DIANNE L.
/ APPLICANT: The United States of America
/ APPLICANT: as represented by The Secretary of the
/ APPLICANT: Department of Health and Human Services
/ TITLE OF INVENTION: Recombinant Anti-Tumor RNase
/ FILE REFERENCE: 015280-343110US
/ CURRENT APPLICATION NUMBER: US/09/948,391A
/ PRIOR FILING DATE: 2002-05-10
/ PRIOR APPLICATION NUMBER: US 60/079,751
/ PRIOR FILING DATE: 1998-03-27
/ PRIOR APPLICATION NUMBER: WO PCT/US99/06641
/ PRIOR FILING DATE: 1999-03-26
/ PRIOR APPLICATION NUMBER: US 09/622,613
/ PRIOR FILING DATE: 2000-08-17
/ NUMBER OF SEQ ID NOS: 43
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 8
/ LENGTH: 105
/ TYPE: PRT
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence:Rana pipiens
/ OTHER INFORMATION: ribonuclease with Met at position 1 and Met24leu
/ OTHER INFORMATION: substitution (recombinant Met(-1) RapLR1 Met23leu)
US-09-948-391A-8

Query Match          96.9%; Score 560; DB 10; Length 105;
Best Local Similarity 97.1%; Pred. No. 1.6e-54;
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Matches	101;	Conservative	1;	Mismatches	2;	Indels	0;	Gaps	0;
Qy	1	QDWLTFQKKHLTNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLTT	60						
Db	2	QDWLTFQKKHLTNTRDVCNNILSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLTT	61						
Qy	61	SEFYLSDCNVTSRPCKYKLLKSTNTFCVT	CENQAPVHFVGVGHC	104					
Db	62	FEFYLSDCNVTSRPCKYKLLKSTNTFCVT	CENQAPVHFVGVGHC	105					

Search completed: October 19, 2004, 09:23:05
Job time : 71.4175 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: October 19, 2004, 09:04:37 ; Search time 22.6411 Seconds
(without alignments)
304.626 Million cell updates/sec

Title: US-09-622-613C-4

Perfect score: 577

Sequence: 1 QDWLTQKKHLNTRDVCN.....TFCVTCNQAPVHVGVGHC 104

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: 478139

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents AA:*
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3: /cgn2_6/ptodata/1/iaa/6A COMB.pep.*
4: /cgn2_6/ptodata/1/iaa/6B COMB.pep.*
5: /cgn2_6/ptodata/1/iaa/PCTUS COMB.pep.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	555	96.2	104	1	US-08-467-955-2
2	553	95.8	104	3	US-09-394-268-1
3	553	95.8	104	4	US-09-687-748-1
4	553	95.8	104	4	US-08-626-288-1
5	553	95.8	104	4	US-09-095-429-1
6	553	95.8	129	3	US-08-875-811-63
7	553	95.8	379	3	US-08-875-811-43
8	550	95.3	104	1	US-08-283-371-1
9	550	95.3	104	1	US-07-921-619-1
10	550	95.3	104	1	US-08-467-955-1
11	550	95.3	104	2	US-08-891-848-13
12	550	95.3	104	3	US-09-394-268-2
13	550	95.3	104	4	US-09-687-748-2
14	550	95.3	104	4	US-08-626-288-2
15	550	95.3	104	4	US-09-095-429-2
16	550	95.3	105	3	US-08-875-811-39
17	550	95.3	355	3	US-08-875-811-41
18	550	95.3	358	3	US-08-875-811-51
19	548	95.0	104	3	US-08-875-811-1
20	548	95.0	104	3	US-09-071-672-1
21	548	95.0	104	4	US-09-986-119-1
22	548	95.0	106	3	US-08-875-811-28
23	548	95.0	107	3	US-08-875-811-30
24	548	95.0	112	3	US-08-875-811-32
25	548	95.0	251	3	US-08-875-811-59
26	548	95.0	254	3	US-08-875-811-61
27	548	95.0	355	3	US-08-875-811-49

Sequence 57, Appl
Sequence 64, Appl
Sequence 55, Appl
Sequence 24, Appl
Sequence 26, Appl
Sequence 45, Appl
Sequence 53, Appl
Sequence 20, Appl
Sequence 47, Appl
Sequence 22, Appl
Sequence 2, Appl
Sequence 3, Appl
Sequence 3, Appl
Sequence 12, Appl
Sequence 8, Appl
Sequence 4, Appl
Sequence 2, Appl
Sequence 1, Appl

355 3 US-08-875-811-57
355 3 US-08-875-811-64
366 3 US-08-875-811-55
105 3 US-08-875-811-24
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107 3 US-08-875-811-20
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111 3 US-08-875-811-22
83 3 US-08-875-811-2
83 3 US-09-071-672-3
83 4 US-09-986-119-3
111 2 US-08-891-848-12
111 3 US-08-875-811-8
114 3 US-09-223-118-4
114 3 US-09-223-118-2
114 3 US-09-223-118-1

ALIGNMENTS

RESULT 1

US-08-467-955-2
; Sequence 2, Application US/08467955
; Patent No. 5728805
; GENERAL INFORMATION:
; APPLICANT: Ardelt Ph.D, Wojciech J.
; TITLE OF INVENTION: PHARMACEUTICALS AND METHOD FOR MAKING THEM
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Mark H. Jay, P.A.
; STREET: P.O. Box E
; CITY: Short Hills
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 07078-0383
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.24
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,955
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/178,118
; FILING DATE: 06-APR-1988
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/436,141
; FILING DATE: 13-NOV-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/814,332
; FILING DATE: 03-FEB-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/283,970
; FILING DATE: 01-AUG-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jay, Mark H.
; REGISTRATION NUMBER: 27507
; REFERENCE/DOCKET NUMBER: 5007 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-912-9066
; TELEX: 201-912-0442
; TELEX: No. 5728805 Applicable
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 104 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear

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; MOLECULE TYPE: protein
; HYPOTHETICAL: N
; ANTI-SENSE: N
; FRAGMENT TYPE: N-terminal
; ORIGINAL SOURCE:
; ORGANISM: Rana pipiens
; DEVELOPMENTAL STAGE: Oocyte
US-08-467-955-2

Query Match          96.2%; Score 553; DB 1; Length 104;
Best Local Similarity 95.2%; Pred. No. 3.9e-60;
Matches 99; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 QDWLTFQKKHLTNRDVCNNILSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 60
DB 1 EDWLTFFQKKHITNRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 60

QY 61 SEFYLSDCNVTSRPCCKYKLLKXSTNTFCVTCENQAPVHFVGVGHC 104
DB 61 SEFYLSDCNVTSRPCCKYKLLKXSTNTFCVTCENQAPVHFVGVGSC 104

RESULT 2
US-09-394-268-1
; Sequence 1, Application US/09394268
; Patent No. 6175003
; GENERAL INFORMATION:
; APPLICANT: Saxena, Shailendra K
; TITLE OF INVENTION: NUCLEIC ACIDS ENCODING RIBONUCLEASES AND METHODS OF
; FILE REFERENCE: 5013
; CURRENT APPLICATION NUMBER: US/09/394,268
; CURRENT FILING DATE: 1999-09-10
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 1
; LENGTH: 104
; TYPE: PRT
; ORGANISM: Rana pipiens
US-09-394-268-1

Query Match          95.8%; Score 553; DB 3; Length 104;
Best Local Similarity 95.2%; Pred. No. 6.9e-60;
Matches 99; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 QDWLTFQKKHLTNRDVCNNILSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 60
DB 1 QDWLTFQKKHITNRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 60

QY 61 SEFYLSDCNVTSRPCCKYKLLKXSTNTFCVTCENQAPVHFVGVGHC 104
DB 61 SEFYLSDCNVTSRPCCKYKLLKXSTNTFCVTCENQAPVHFVGVGSC 104

RESULT 3
US-09-687-748-1
; Sequence 1, Application US/09687748
; Patent No. 6423515
; GENERAL INFORMATION:
; APPLICANT: Saxena, Shailendra K
; TITLE OF INVENTION: METHODS OF MAKING NUCLEIC ACIDS ENCODING RIBONUCLEASES
; FILE REFERENCE: 5013 US 01
; CURRENT APPLICATION NUMBER: US/09/687,748
; CURRENT FILING DATE: 2000-10-14
; PRIOR APPLICATION NUMBER: 09/394,268
; PRIOR FILING DATE: 1999-09-10
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 1
; LENGTH: 104
; TYPE: PRT
; ORGANISM: Rana pipiens
US-09-687-748-1

Query Match          95.8%; Score 553; DB 4; Length 104;
Best Local Similarity 95.2%; Pred. No. 6.9e-60;
Matches 99; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 QDWLTFQKKHLTNRDVCNNILSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 60
DB 1 QDWLTFQKKHITNRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 60

QY 61 SEFYLSDCNVTSRPCCKYKLLKXSTNTFCVTCENQAPVHFVGVGHC 104
DB 61 SEFYLSDCNVTSRPCCKYKLLKXSTNTFCVTCENQAPVHFVGVGSC 104

RESULT 4
US-08-626-288-1
; Sequence 1, Application US/08626288
; Patent No. 6649392
; GENERAL INFORMATION:
; APPLICANT: Youle, Richard
; APPLICANT: Vasandani, Veena
; APPLICANT: Wu, Yon-Neng
; APPLICANT: Boix, Ester
; APPLICANT: Ardelt, Wojciech
; TITLE OF INVENTION: A Mutant Form of Cytotoxic Protein Which
; TITLE OF INVENTION: Allows Production by Recombinant Methods
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew
; STREET: One Market Plaza, Steuart Street Tower
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94105-1492
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA: US/08/626,288
; FILING DATE: No. 6649392 yet assigned
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Ran, David B.
; REGISTRATION NUMBER: 38,589
; REFERENCE/DOCKET NUMBER: 15280-267
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 543-9600
; TELEFAX: (415) 543-5043
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 104 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-626-288-1

Query Match          95.8%; Score 553; DB 4; Length 104;
Best Local Similarity 95.2%; Pred. No. 6.9e-60;
Matches 99; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 QDWLTFQKKHLTNRDVCNNILSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 60
DB 1 QDWLTFQKKHITNRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 60

QY 61 SEFYLSDCNVTSRPCCKYKLLKXSTNTFCVTCENQAPVHFVGVGHC 104
DB 61 SEFYLSDCNVTSRPCCKYKLLKXSTNTFCVTCENQAPVHFVGVGSC 104

RESULT 5
US-09-622-613c-4.ra1
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US-09-095-429-1
; Sequence 1, Application US/09095429
; Patent No. 6649393
; GENERAL INFORMATION:
; APPLICANT: Youle, Richard
; APPLICANT: Vasandani, Veena
; APPLICANT: Wu, Yon-Neng
; APPLICANT: Boix, Ester
; APPLICANT: Ardelt, Wojciech
; TITLE OF INVENTION: A Mutant Form of Cytotoxic Protein Which
; TITLE OF INVENTION: Allows Production by Recombinant Methods
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew
; STREET: One Market Plaza, Steuart Street Tower
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94105-1492
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/095,429
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/626,288
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Ran, David B.
; REGISTRATION NUMBER: 38,589
; REFERENCE/DOCKET NUMBER: 15280-267
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 543-9600
; TELEFAX: (415) 543-5043
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 104 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-09-095-429-1

Query Match 95.8%; Score 553; DB 4; Length 104;
Best Local Similarity 95.2%; Pred. No. 6.9e-60;
Matches 99; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 QDWLTFQKKHLTNRDVCNNILSTNLFHCKDKNTFYSRPEPVKAICKGIIASKNVLT 60
Db 1 QDWLTFQKKHITNRDVCNNIMSTNLFHCKDKNTFYSRPEPVKAICKGIIASKNVLT 60
QY 61 SEFYLSDCNVTSPCKYKLLKSTNTFCVTENQAPVHFVGVGHC 104
Db 61 SEFYLSDCNVTSPCKYKLLKSTNTFCVTENQAPVHFVGVGSC 104

RESULT 6
US-08-875-811-63
; Sequence 63, Application US/08875811
; Patent No. 6045793
; GENERAL INFORMATION:
; APPLICANT: Rybak, Susanna M.
; APPLICANT: Newton, Dianne L.
; APPLICANT: Boque, Lluis
; APPLICANT: Wlodawer, Alexander
; TITLE OF INVENTION: Recombinant Ribonuclease Proteins
; NUMBER OF SEQUENCES: 64
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: One Market Plaza, Steuart Street Tower
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94105-1492
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/095,429

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; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/875,811
; FILING DATE: 19-FEB-1998
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/US97/02588
; FILING DATE: 19-FEB-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/011,800
; FILING DATE: 21-FEB-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Paris, Susan K.
; REGISTRATION NUMBER: 41,739
; REFERENCE/DOCKET NUMBER: 015280-244100US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 63:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 129 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-875-811-63

Query Match 95.8%; Score 553; DB 3; Length 129;
Best Local Similarity 95.2%; Pred. No. 9.2e-60;
Matches 99; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 QDWLTFQKKHLTNRDVCNNILSTNLFHCKDKNTFYSRPEPVKAICKGIIASKNVLT 60
Db 26 QDWLTFQKKHITNRDVCNNIMSTNLFHCKDKNTFYSRPEPVKAICKGIIASKNVLT 85
QY 61 SEFYLSDCNVTSPCKYKLLKSTNTFCVTENQAPVHFVGVGHC 104
Db 86 SEFYLSDCNVTSPCKYKLLKSTNTFCVTENQAPVHFVGVGSC 129

RESULT 7
US-08-875-811-43
; Sequence 43, Application US/08875811
; Patent No. 6045793
; GENERAL INFORMATION:
; APPLICANT: Rybak, Susanna M.
; APPLICANT: Newton, Dianne L.
; APPLICANT: Boque, Lluis
; APPLICANT: Wlodawer, Alexander
; TITLE OF INVENTION: Recombinant Ribonuclease Proteins
; NUMBER OF SEQUENCES: 64
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/875,811

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;; FILING DATE: 19-FEB-1998
;; CLASSIFICATION: 435
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: WO PCT/US97/02588
;; FILING DATE: 19-FEB-1997
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US 60/011,800
;; FILING DATE: 21-FEB-1996
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Faris, Susan K.
;; REGISTRATION NUMBER: 41,739
;; REFERENCE/DOCKET NUMBER: 015280-244100US
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (415) 576-0200
;; TELEFAX: (415) 576-0300
;; INFORMATION FOR SEQ ID NO: 43:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 379 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
US-08-875-811-43

Query Match 95.8%; Score 553; DB 3; Length 379;
Best Local Similarity 95.2%; Pred. No. 3.8e-59;
Matches 99; Conservative 3; Mismatches 2; Indels 0; Gaps 0;
QY 1 QDWLTFQKKHLNTRDVCNNILSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 60
Db 26 QDWLTFQKKHLNTRDVCNNILSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 85
QY 61 SEFYLSDCNVTSRCKYKLLKSTNTFCVTCENQAPVHFVGVC 104
Db 86 SEFYLSDCNVTSRCKYKLLKSTNTFCVTCENQAPVHFVGVC 129

RESULT 8

US-08-283-971-1
; Sequence 1, Application US/08283971
; Patent No. 5529775
; GENERAL INFORMATION:
; APPLICANT: Ardelt Ph.D. Wojciech J.
; APPLICANT: Mikulski, Stanislaw M.
; TITLE OF INVENTION: PHARMACEUTICAL FOR TREATING TUMORS IN HUMANS
; NUMBER OF SEQUENCES: 1
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Mark H. Jay, P.C.
; STREET: P.O. Box 020083, General Post Office
; CITY: Brooklyn
; STATE: New York
; COUNTRY: USA
; ZIP: 11202-0002
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.24
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/283,971
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/921,180
; FILING DATE: 30-JUL-1992
; APPLICATION NUMBER: US 07/178,118
; FILING DATE: 06-APR-1988
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/436,141
; FILING DATE: 13-NOV-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Jay, Mark H.
; REGISTRATION NUMBER: 27507
; REFERENCE/DOCKET NUMBER: 5006 US

;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 718-625-0399
;; TELEFAX: 718-625-0399
;; TELEX: No. 5529775 Applicable
;; INFORMATION FOR SEQ ID NO: 1:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 104 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
;; HYPOTHETICAL: N
;; ANTI-SENSE: N
;; FRAGMENT TYPE: N-terminal
;; ORIGINAL SOURCE:
;; ORGANISM: Rana pipiens
;; DEVELOPMENTAL STAGE: Embryo
US-08-283-971-1

Query Match 95.3%; Score 550; DB 1; Length 104;
Best Local Similarity 94.2%; Pred. No. 1.6e-59;
Matches 98; Conservative 4; Mismatches 2; Indels 0; Gaps 0;
QY 1 QDWLTFQKKHLNTRDVCNNILSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 60
Db 1 EDWLTFFQKKHLNTRDVCNNILSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 60
QY 61 SEFYLSDCNVTSRCKYKLLKSTNTFCVTCENQAPVHFVGVC 104
Db 61 SEFYLSDCNVTSRCKYKLLKSTNTFCVTCENQAPVHFVGVC 104

RESULT 9

US-07-921-619-1
; Sequence 1, Application US/07921619
; Patent No. 5595734
; GENERAL INFORMATION:
; APPLICANT: Ardelt Ph.D. Wojciech J.
; APPLICANT: Mikulski, Stanislaw M.
; TITLE OF INVENTION: PHARMACEUTICAL FOR TREATING TUMORS IN HUMANS
; NUMBER OF SEQUENCES: 1
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Mark H. Jay, P.C.
; STREET: P.O. Box 020083, General Post Office
; CITY: Brooklyn
; STATE: New York
; COUNTRY: USA
; ZIP: 11202-0002
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.24
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/921,619
; FILING DATE: 19920728
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/178,118
; FILING DATE: 06-APR-1988
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/436,141
; FILING DATE: 13-NOV-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Jay, Mark H.
; REGISTRATION NUMBER: 27507
; REFERENCE/DOCKET NUMBER: 5005 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 718-625-0399
; TELEFAX: 718-625-0399
; TELEX: No. 5595734 Applicable
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:

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; LENGTH: 104 amino acids
; TYPE: AMINO ACID
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: N
; ANTI-SENSE: N
; FRAGMENT TYPE: N-terminal
; ORIGINAL SOURCE:
; ORGANISM: Rana pipiens
; DEVELOPMENTAL STAGE: Embryo
; US-07-921-619-1
Query Match          95.3%; Score 550; DB 1; Length 104;
Best Local Similarity 94.2%; Pred. No. 1.6e-59;
Matches 98; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

QY 1 QDWLTFQKHLNTRDVCNNILSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLTT 60
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 1 EDWLTQKXHTNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLTT 60
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

QY 61 SEFYSDCNVTSRCPCKYKLLKSTNTPCVTCENQAPVHFVGVGHC 104
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 61 SEFYSDCNVTSRCPCKYKLLKSTNTPCVTCENQAPVHFVGVGSC 104
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RESULT 10
US-08-467-955-1
; Sequence 1, Application US/08467955
; Patent No. 5728805
; GENERAL INFORMATION:
; APPLICANT: Ardelt Ph.D. Wojciech J.
; TITLE OF INVENTION: PHARMACEUTICALS AND METHOD FOR MAKING THEM
; NUMBER OF SEQUENCES: 2
; ADDRESS: P.O. Box E
; STREET: Short Hills
; CITY: New Jersey
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 07078-0383
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.24
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,955
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/178,118
; FILING DATE: 06-APR-1988
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/436,141
; FILING DATE: 13-NOV-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/814,332
; FILING DATE: 03-FEB-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/283,970
; FILING DATE: 01-AUG-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jay, Mark H.
; REGISTRATION NUMBER: 27507
; REFERENCE/DOCKET NUMBER: 5007 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-912-9066
; TELEFAX: 201-912-0442
; TELEX: No. 5728805 Applicable
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 104 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: N
; ANTI-SENSE: N
; FRAGMENT TYPE: N-terminal
; ORIGINAL SOURCE:
; ORGANISM: Rana pipiens
; DEVELOPMENTAL STAGE: Oocyte
; US-08-467-955-1
Query Match          95.3%; Score 550; DB 1; Length 104;
Best Local Similarity 94.2%; Pred. No. 1.6e-59;
Matches 98; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

QY 1 QDWLTFQKHLNTRDVCNNILSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLTT 60
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 1 EDWLTQKXHTNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLTT 60
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

QY 61 SEFYSDCNVTSRCPCKYKLLKSTNTPCVTCENQAPVHFVGVGHC 104
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 61 SEFYSDCNVTSRCPCKYKLLKSTNTPCVTCENQAPVHFVGVGSC 104
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RESULT 11
US-08-891-848-13
; Sequence 13, Application US/08891848
; Patent No. 5955073
; GENERAL INFORMATION:
; APPLICANT: Rybak, Susanna M.
; APPLICANT: Youle, Richard J.
; APPLICANT: Newton, Dianne L.
; APPLICANT: Nicholls, Peter J.
; TITLE OF INVENTION: Selective RNase Cytotoxic Reagents
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/891,848
; FILING DATE: No. 5955073 yet assigned
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/125,462
; FILING DATE: 22-SEP-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/014,082
; FILING DATE: 04-FEB-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/779,195
; FILING DATE: 22-OCT-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/510,696
; FILING DATE: 20-APR-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Weber, Ellen Lauver
; REGISTRATION NUMBER: 32,762
; REFERENCE/DOCKET NUMBER: 015280-110310US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 104 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: N
; ANTI-SENSE: N
; FRAGMENT TYPE: N-terminal
; ORIGINAL SOURCE:
; ORGANISM: Rana pipiens
; DEVELOPMENTAL STAGE: Oocyte
; US-08-467-955-1
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US-08-626-288-2

Query Match 95.3%; Score 550; DB 4; Length 104;
Best Local Similarity 96.1%; Pred. No. 1.6e-59;
Matches 99; Conservative 2; Mismatches 2; Indels 0; Gaps 0;
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Db 2 DMLTFQKKHLTNRDVCNNILSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLTTS 61
QY 62 EFYLSDCNVTSRCKYKLLKSTNTFCVTCENQAPVHFVGVGHC 104
Db 62 EFYLSDCNVTSRCKYKLLKSTNTFCVTCENQAPVHFVGVGSC 104

RESULT 15

US-09-095-429-2
; Sequence 2, Application US/09095429
; Patent No. 6649393
; GENERAL INFORMATION:
; APPLICANT: Youle, Richard
; APPLICANT: Vasandani, Veena
; APPLICANT: Wu, Yon-Neng
; APPLICANT: Boix, Ester
; APPLICANT: Argelt, Wojciech
; TITLE OF INVENTION: A Mutant Form of Cytotoxic Protein Which
; TITLE OF INVENTION: Allows Production by Recombinant Methods
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew
; STREET: One Market Plaza, Steuart Street Tower
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94105-1492
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/095,429
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/626,288
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Ran, David B.
; REGISTRATION NUMBER: 38,589
; REFERENCE/DOCKET NUMBER: 15280-267
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 543-9600
; TELEFAX: (415) 543-5043
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 104 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 1
; OTHER INFORMATION: /product= "OTHER"
; OTHER INFORMATION: /note= "Xaa = pyrroglutamic acid
; OTHER INFORMATION: (2-pyrrolidone-5-carboxylic acid or
; OTHER INFORMATION: 5-oxo-2-pyrrolidinecarboxylic acid)"
US-09-095-429-2

Query Match 95.3%; Score 550; DB 4; Length 104;
Best Local Similarity 96.1%; Pred. No. 1.6e-59;
Matches 99; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 2 DMLTFQKKHLTNRDVCNNILSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLTTS 61
Db 2 DMLTFQKKHLTNRDVCNNILSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLTTS 61
QY 62 EFYLSDCNVTSRCKYKLLKSTNTFCVTCENQAPVHFVGVGHC 104
Db 62 EFYLSDCNVTSRCKYKLLKSTNTFCVTCENQAPVHFVGVGSC 104

Search completed: October 19, 2004, 09:24:43
Job time : 23.6411 secs

Blank

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: October 19, 2004, 09:04:37 ; Search time 69.1675 Seconds
(without alignments)
486.141 Million cell updates/sec

Title: US-09-622-613C-4
Perfect score: 577
Sequence: 1 QDWLTFQKKHLTNRDVCN.....TFCVTCENQAPVHFVGHC 104

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1360919 seqs, 32331874 residues

Total number of hits satisfying chosen parameters: 1360919

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA:
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2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep.*
5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep.*
6: /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep.*
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8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
9: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
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11: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
12: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep.*
13: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep.*
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15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep.*
16: /cgn2_6/ptodata/1/pubpaa/US10D_PUBCOMB.pep.*
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18: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*
19: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	577	100.0	111	10	US-09-961-400-9
2	575	99.7	104	10	US-09-961-400-2
3	575	99.7	105	10	US-09-948-391A-6
4	575	99.7	105	10	US-09-961-400-6
5	575	99.7	127	10	US-09-948-391A-28
6	575	99.7	127	10	US-09-961-400-28
7	571	99.0	104	10	US-09-948-391A-4
8	571	99.0	104	10	US-09-961-400-4
9	570	98.8	104	10	US-09-948-391A-11
10	570	98.8	104	10	US-09-961-400-11
11	570	98.8	105	10	US-09-948-391A-13
12	570	98.8	105	10	US-09-961-400-13
13	567	98.3	105	10	US-09-961-400-8
14	566	98.1	104	10	US-09-948-391A-2

15	562	97.4	105	10	US-09-948-391A-8	Sequence 8, Appli
16	562	97.4	111	10	US-09-948-391A-9	Sequence 9, Appli
17	553	95.8	104	16	US-10-331-910-9	Sequence 9, Appli
18	553	95.8	105	14	US-10-153-882-2	Sequence 2, Appli
19	550	95.3	104	16	US-10-331-910-1	Sequence 1, Appli
20	548	95.0	104	9	US-09-986-119-1	Sequence 1, Appli
21	548	95.0	104	10	US-09-918-887-1	Sequence 1, Appli
22	548	95.0	104	16	US-10-331-910-5	Sequence 5, Appli
23	545	94.5	104	15	US-10-461-713-53	Sequence 53, Appli
24	442	76.6	83	9	US-09-986-119-3	Sequence 3, Appli
25	442	76.6	83	10	US-09-918-887-3	Sequence 3, Appli
26	279.5	48.4	110	10	US-09-961-400-19	Sequence 19, Appli
27	279.5	48.4	111	10	US-09-948-391A-21	Sequence 21, Appli
28	279.5	48.4	111	10	US-09-961-400-21	Sequence 21, Appli
29	279.5	48.4	117	10	US-09-948-391A-22	Sequence 22, Appli
30	279.5	48.4	117	10	US-09-961-400-22	Sequence 22, Appli
31	278.5	48.3	110	10	US-09-948-391A-15	Sequence 15, Appli
32	278.5	48.3	110	10	US-09-961-400-15	Sequence 15, Appli
33	278.5	48.3	111	10	US-09-961-400-17	Sequence 17, Appli
34	273.5	47.4	110	10	US-09-948-391A-19	Sequence 19, Appli
35	273.5	47.4	110	10	US-09-948-391A-24	Sequence 24, Appli
36	273.5	47.4	110	10	US-09-961-400-24	Sequence 24, Appli
37	273.5	47.4	111	10	US-09-948-391A-26	Sequence 26, Appli
38	273.5	47.4	111	10	US-09-961-400-26	Sequence 26, Appli
39	272.5	47.2	111	10	US-09-948-391A-17	Sequence 17, Appli
40	156.5	27.1	169	13	US-10-016-447-2	Sequence 2, Appli
41	146	25.3	119	15	US-10-074-978A-139	Sequence 139, App
42	146	25.3	119	15	US-10-016-248-89	Sequence 89, Appl
43	130.5	22.6	145	15	US-10-432-819-34	Sequence 34, Appli
44	125.5	21.8	124	13	US-10-016-447-5	Sequence 5, Appli
45	122	21.1	124	15	US-10-037-417-103	Sequence 103, App

ALIGNMENTS

RESULT 1

US-09-961-400-9
; Sequence 9, Application US/09961400
; Publication No. US20030124131A1
; GENERAL INFORMATION:
; APPLICANT: RYBAK, SUSANNA M.
; APPLICANT: GOLDENBERG, DAVID M.
; APPLICANT: NEWTON, DIANNE L.
; TITLE OF INVENTION: IMMUNOCONJUGATES OF TOXINS DIRECTED AGAINST MALIGNANT
; TITLE OF INVENTION: CELLS
; FILE REFERENCE: 018733/1059
; CURRENT APPLICATION NUMBER: US/09/961,400
; CURRENT FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: 09/622,613
; PRIOR FILING DATE: 2000-08-17
; PRIOR APPLICATION NUMBER: PCT/US99/06641
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: 60/079,751
; PRIOR FILING DATE: 1998-03-26
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 111
; TYPE: PRT
; ORGANISM: Rana pipiens
US-09-961-400-9

Query Match 100.0%; Score 577; DB 10; Length 111;
Best Local Similarity 100.0%; Pred. No. 3.3e-56;
Matches 104; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 8 QDWLTFQKKHLTNRDVCNLTSLNLFHCKDKNTFIYSRPEPVKAIKGIATSKNVLTT 67
QY 61 SEFYLDNCNVTSRPCYKYLKSKTNTFCVTCENQAPVHFVGHC 104

Db

68 SEFYLSDCNVTSRPCKYKLLKSTNTFCVTCENQAPVHFVGVGHC 111

US-09-961-400-2

Query Match 99.7%; Score 575; DB 10; Length 105;
Best Local Similarity 99.0%; Pred. No. 5e-56;
Matches 103; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

RESULT 2

Sequence 2, Application US/09961400
Publication No. US20030124131A1
GENERAL INFORMATION:
APPLICANT: RYBAK, SUSANNA M.
APPLICANT: GOLDENBERG, DAVID M.
APPLICANT: NEWTON, DIANNE L.
TITLE OF INVENTION: IMMUNOCONJUGATES OF TOXINS DIRECTED AGAINST MALIGNANT
TITLE OF INVENTION: CELLS
FILE REFERENCE: 018733/1059
CURRENT APPLICATION NUMBER: US/09/961,400
CURRENT FILING DATE: 2001-09-25
PRIOR APPLICATION NUMBER: 09/622,613
PRIOR FILING DATE: 2000-08-17
PRIOR APPLICATION NUMBER: PCT/US99/06641
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: 60/079,751
PRIOR FILING DATE: 1998-03-26
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2
LENGTH: 104
TYPE: PRT
ORGANISM: Rana pipiens

US-09-961-400-2

Query Match 99.7%; Score 575; DB 10; Length 104;
Best Local Similarity 99.0%; Pred. No. 5e-56;
Matches 103; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy

1 QDWLTFQKKHLTNTTRDVCNNILSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 60

Db

1 QDWLTFQKKHLTNTTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 60

Qy

61 SEFYLSDCNVTSRPCKYKLLKSTNTFCVTCENQAPVHFVGVGHC 104

Db

61 SEFYLSDCNVTSRPCKYKLLKSTNTFCVTCENQAPVHFVGVGHC 104

RESULT 3

Sequence 6, Application US/09948391A
Publication No. US20030027311A1
GENERAL INFORMATION:
APPLICANT: RYBAK, SUSANNA M.
APPLICANT: NEWTON, DIANNE L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
APPLICANT: Department of Health and Human Services
TITLE OF INVENTION: Recombinant Anti-Tumor RNase
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: US/09/948,391A
CURRENT FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: WO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: US 09/622,613
PRIOR FILING DATE: 2000-08-17
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 6
LENGTH: 105
TYPE: PRT
ORGANISM: Artificial Sequence

US-09-948-391A-6

Query Match 99.7%; Score 575; DB 10; Length 105;
Best Local Similarity 99.0%; Pred. No. 5.1e-56;
Matches 103; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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Db

2 QDWLTFQKKHLTNTTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 61

Qy

61 SEFYLSDCNVTSRPCKYKLLKSTNTFCVTCENQAPVHFVGVGHC 104

Db

62 SEFYLSDCNVTSRPCKYKLLKSTNTFCVTCENQAPVHFVGVGHC 105

RESULT 5

Sequence 28, Application US/09948391A
Publication No. US20030027311A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
APPLICANT: Department of Health and Human Services
TITLE OF INVENTION: Recombinant Anti-Tumor RNase
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: US/09/948,391A
CURRENT FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: WO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 6
LENGTH: 105
TYPE: PRT
ORGANISM: Artificial Sequence

US-09-948-391A-6

Query Match 99.7%; Score 575; DB 10; Length 105;
Best Local Similarity 99.0%; Pred. No. 5.1e-56;
Matches 103; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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1 QDWLTFQKKHLTNTTRDVCNNILSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 60

Db

2 QDWLTFQKKHLTNTTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 61

Qy

61 SEFYLSDCNVTSRPCKYKLLKSTNTFCVTCENQAPVHFVGVGHC 104

Db

62 SEFYLSDCNVTSRPCKYKLLKSTNTFCVTCENQAPVHFVGVGHC 105


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; PRIOR APPLICATION NUMBER: US 09/622,613
; PRIOR FILING DATE: 2000-08-17
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 28
; LENGTH: 127
; TYPE: PRT
; ORGANISM: Rana pipiens
; FEATURE:
; OTHER INFORMATION: Rana pipiens ribonuclease (RapLR1) Clone 5a1b cDNA
; OTHER INFORMATION: Insert
US-09-948-391A-28

Query Match          99.7%; Score 575; DB 10; Length 127;
Best Local Similarity 99.0%; Pred. No. 6.3e-56;
Matches 103; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 QDWLTFQKKHLNTRDVCNNILSTNLFHCKDKNTFIYSRPEPVKAICKGIASKNVLT 60
Db 24 QDWLTFQKKHLNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIASKNVLT 83
QY 61 SBYLSDCNVTSRPCKYKLLKSTNTFCVTCENQAPVHFVGVGHC 104
Db 84 SBYLSDCNVTSRPCKYKLLKSTNTFCVTCENQAPVHFVGVGHC 127

RESULT 6
US-09-961-400-28
; Sequence 28, Application US/09961400
; Publication No. US20030124131A1
; GENERAL INFORMATION:
; APPLICANT: RYBAK, SUSANNA M.
; APPLICANT: GOLDENBERG, DAVID M.
; APPLICANT: NEWTON, DIANNE L.
; TITLE OF INVENTION: IMMUNOCONJUGATES OF TOXINS DIRECTED AGAINST MALIGNANT
; FILE REFERENCE: 018733/1059
; CURRENT APPLICATION NUMBER: US/09/961,400
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: 09/622,613
; PRIOR FILING DATE: 2000-08-17
; PRIOR APPLICATION NUMBER: PCT/US99/06641
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: 60/079,751
; PRIOR FILING DATE: 1998-03-26
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 28
; LENGTH: 127
; TYPE: PRT
; ORGANISM: Rana pipiens
US-09-961-400-28

Query Match          99.7%; Score 575; DB 10; Length 127;
Best Local Similarity 99.0%; Pred. No. 6.3e-56;
Matches 103; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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Db 24 QDWLTFQKKHLNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIASKNVLT 83
QY 61 SBYLSDCNVTSRPCKYKLLKSTNTFCVTCENQAPVHFVGVGHC 104
Db 84 SBYLSDCNVTSRPCKYKLLKSTNTFCVTCENQAPVHFVGVGHC 127

RESULT 7
US-09-948-391A-4
; Sequence 4, Application US/09948391A
; Publication No. US20030027311A1
; GENERAL INFORMATION:
; APPLICANT: Rybak, Susanna M.
; APPLICANT: Newton, Dianne L.
```

```
; APPLICANT: The United States of America
; APPLICANT: as represented by The Secretary of the
; APPLICANT: Department of Health and Human Services
; TITLE OF INVENTION: Recombinant Anti-Tumor RNase
; FILE REFERENCE: 015280-343110US
; CURRENT APPLICATION NUMBER: US/09/948,391A
; CURRENT FILING DATE: 2002-05-10
; PRIOR APPLICATION NUMBER: US 60/079,751
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: WO PCT/US99/06641
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: US 09/622,613
; PRIOR FILING DATE: 2000-08-17
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 104
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Rana pipiens
; OTHER INFORMATION: ribonuclease with Met23Leu substitution
; OTHER INFORMATION: (recombinant RapLR1 Met23Leu)
US-09-948-391A-4

Query Match          99.0%; Score 571; DB 10; Length 104;
Best Local Similarity 99.0%; Pred. No. 1.4e-55;
Matches 103; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 QDWLTFQKKHLNTRDVCNNILSTNLFHCKDKNTFIYSRPEPVKAICKGIASKNVLT 60
Db 1 QDWLTFQKKHLNTRDVCNNILSTNLFHCKDKNTFIYSRPEPVKAICKGIASKNVLT 60
QY 61 SBYLSDCNVTSRPCKYKLLKSTNTFCVTCENQAPVHFVGVGHC 104
Db 61 SBYLSDCNVTSRPCKYKLLKSTNTFCVTCENQAPVHFVGVGHC 104

RESULT 8
US-09-961-400-4
; Sequence 4, Application US/09961400
; Publication No. US20030124131A1
; GENERAL INFORMATION:
; APPLICANT: RYBAK, SUSANNA M.
; APPLICANT: GOLDENBERG, DAVID M.
; APPLICANT: NEWTON, DIANNE L.
; TITLE OF INVENTION: IMMUNOCONJUGATES OF TOXINS DIRECTED AGAINST MALIGNANT
; FILE REFERENCE: 018733/1059
; CURRENT APPLICATION NUMBER: US/09/961,400
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: 09/622,613
; PRIOR FILING DATE: 2000-08-17
; PRIOR APPLICATION NUMBER: PCT/US99/06641
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: 60/079,751
; PRIOR FILING DATE: 1998-03-26
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 104
; TYPE: PRT
; ORGANISM: Rana pipiens
US-09-961-400-4

Query Match          99.0%; Score 571; DB 10; Length 104;
Best Local Similarity 99.0%; Pred. No. 1.4e-55;
Matches 103; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 QDWLTFQKKHLNTRDVCNNILSTNLFHCKDKNTFIYSRPEPVKAICKGIASKNVLT 60
Db 1 QDWLTFQKKHLNTRDVCNNILSTNLFHCKDKNTFIYSRPEPVKAICKGIASKNVLT 60
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Qy 61 SEFYLSDCNVTSR~~PCKY~~KLKKSTNTFCVTCENQAPVHFVGVGHC 104
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Db 61 FEFYLSDCNVTSR~~PCKY~~KLKKSTNTFCVTCENQAPVHFVGVGHC 104

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RESULT 9
US-09-948-391A-11
; Sequence 11, Application US/09948391A
; Publication No. US20030027311A1
; GENERAL INFORMATION:
; APPLICANT: Rybak, Susanna M.
; APPLICANT: Newton, Dianne L.
; APPLICANT: The United States of America
; APPLICANT: as represented by The Secretary of the
; APPLICANT: Department of Health and Human Services
; TITLE OF INVENTION: Recombinant Anti-Tumor RNase
; FILE REFERENCE: 015280-343110US
; CURRENT APPLICATION NUMBER: US/09/948,391A
; CURRENT FILING DATE: 2002-05-10
; PRIOR APPLICATION NUMBER: US 60/079,751
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: WO PCT/US99/06641
; PRIOR FILING DATE: 1989-03-26
; PRIOR APPLICATION NUMBER: US 09/622,613
; PRIOR FILING DATE: 2000-08-17
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
; LENGTH: 104
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:Rana pipiens
; OTHER INFORMATION: ribonuclease with Gln1ser substitution
; OTHER INFORMATION: (recombinant RarLRI Q1S)
US-09-948-391A-11

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Query Match	98.8%;	Score 570;	DB 10;	Length 104;
Best Local Similarity	99.0%;	Pred. No. 1.8e-55;		
Matches 102;	Conservative 1;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	2	DWLTFFQKKHLTNRDVCNNLSTNLPHCKDKNTFIYSRPEPVKAI	CKGIIASKNVLTTS	61
Db	2	DWLTFFQKKHLTNRDVCNNIMSTNLPHCKDKNTFIYSRPEPVKAI	CKGIIASKNVLTTS	61
Qy	62	EFYLSDCNVTSRCPCKYKKSTNTFCVTCENQAPVHFVGVGHC		104
Db	62	EFYLSDCNVTSRCPCKYKKSTNTFCVTCENQAPVHFVGVGHC		104

	Query Match	98.8%	Score 570;	DB 10;	Length 105;
	Best Local Similarity	99.0%;	Pred. No. 1.8e-55;		
	Matches 102;	Conservative	1;	Mismatches 0;	Indels 0; Gaps 0;
Qy	2	DWLTFOKKHLTNTRDVCNNILSTNLFHCKDKNTFYSRPEPVKAICKGIIASKNVLTTS	61		
		: :			
Db	3	DWLTFQKKHLTNTRDVCNNIMSTNLFHCKDKNTFYSRPEPVKAICKGIIASKNVLTTS	62		
		: :			
Qy	62	EFLVSDCNVTSRPCKYKIKKSTNTFCVTCENQAPVHFVGVCIC	104		
		: :			
b	63	EFLVSDCNVTSRPCKYKIKKSTNTFCVTCENQAPVHFVGVCIC	105		
		: :			

RESULT 12
US-09-961-400-13
; Sequence 13, Application US/09961400
; Publication NO. US20030124131A1
; GENERAL INFORMATION:
; APPLICANT: RYBAK, SUSANNA M.
; APPLICANT: GOLDENBERG, DAVID M.
; APPLICANT: NEWTON, DIANNE L.
; TITLE OF INVENTION: IMMUNOCONJUGATES OF TOXINS DIRECTED AGAINST MALIGNANT
; TITLE OF INVENTION: CELLS
; FILE REFERENCE: 018733/1059

```
; CURRENT APPLICATION NUMBER: US/09/961,400
; CURRENT FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: 09/622,613
; PRIOR FILING DATE: 2000-08-17
; PRIOR APPLICATION NUMBER: PCT/US99/06641
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: 60/079,751
; PRIOR FILING DATE: 1998-03-26
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 13
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Rana pipiens
US-09-961-400-13

Query Match      98.8%; Score 570; DB 10; Length 105;
Best Local Similarity 99.0%; Pred. No. 1.8e-55;
Matches 102; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY  2 DMLTFQKKHLNTRDVCNNILSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLTTS 61
    |||||
Db   3 DMLTFQKKHLNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLTTS 62
    |||||

QY  62 EFYLSDCNVTSRPCKYKLLKSTNTFCVTCENQAPVHFVGVGHC 104
    |||||
Db   63 EFYLSDCNVTSRPCKYKLLKSTNTFCVTCENQAPVHFVGVGHC 105
    |||||

RESULT 13
US-09-961-400-8
; Sequence 8, Application US/09961400
; Publication No. US20030124131A1
; GENERAL INFORMATION:
; APPLICANT: RYBAK, SUSANNA M.
; APPLICANT: GOLDENBERG, DAVID M.
; APPLICANT: NEWTON, DIANNE L.
; TITLE OF INVENTION: IMMUNOCONJUGATES OF TOXINS DIRECTED AGAINST MALIGNANT
; TITLE OF INVENTION: CELLS
; FILE REFERENCE: 018733/1059
; CURRENT APPLICATION NUMBER: US/09/961,400
; CURRENT FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: 09/622,613
; PRIOR FILING DATE: 2000-08-17
; PRIOR APPLICATION NUMBER: PCT/US99/06641
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: 60/079,751
; PRIOR FILING DATE: 1998-03-26
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8:
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Rana pipiens
US-09-961-400-8

Query Match      98.1%; Score 567; DB 10; Length 105;
Best Local Similarity 98.1%; Pred. No. 3.9e-55;
Matches 102; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY  1 QDWLTFQKKHLNTRDVCNNILSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 60
    |||||
Db   2 QDWLTFQKKHLNTRDVCNNILSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 61
    |||||

QY  61 SEFYLSDCNVTSRPCKYKLLKSTNTFCVTCENQAPVHFVGVGHC 104
    |||||
Db   62 FEYLSDCNATSRPCKYKLLKSTNTFCVTCENQAPVHFVGVGHC 105
    |||||

RESULT 14
US-09-948-391A-2
; Sequence 2, Application US/09948391A
; Publication No. US20030027311A1
; GENERAL INFORMATION:
; APPLICANT: RYBAK, SUSANNA M.
; APPLICANT: NEWTON, DIANNE L.
; APPLICANT: as represented by The Secretary of the
; APPLICANT: Department of Health and Human Services
; TITLE OF INVENTION: Recombinant Anti-Tumor RNase
; FILE REFERENCE: 015280-343110US
; CURRENT APPLICATION NUMBER: US/09/948,391A
; CURRENT FILING DATE: 2002-05-10
; PRIOR APPLICATION NUMBER: US 60/079,751
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: WO PCT/US99/06641
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: US 09/622,613
; PRIOR FILING DATE: 2000-08-17
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 8
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Rana pipiens
; OTHER INFORMATION: ribonuclease with Met at position 1 and Met24Leu
; OTHER INFORMATION: substitution (recombinant Met(-1) RapLr1 Met23Leu)
US-09-948-391A-8

Query Match      97.4%; Score 562; DB 10; Length 105;
Best Local Similarity 98.1%; Pred. No. 1.4e-54;
```

```
; GENERAL INFORMATION:
; APPLICANT: Rybak, Susanna M.
; APPLICANT: Newton, Dianne L.
; APPLICANT: The United States of America
; APPLICANT: as represented by The Secretary of the
; APPLICANT: Department of Health and Human Services
; TITLE OF INVENTION: Recombinant Anti-Tumor RNase
; FILE REFERENCE: 015280-343110US
; CURRENT APPLICATION NUMBER: US/09/948,391A
; CURRENT FILING DATE: 2002-05-10
; PRIOR APPLICATION NUMBER: US 60/079,751
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: WO PCT/US99/06641
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: US 09/622,613
; PRIOR FILING DATE: 2000-08-17
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 104
; TYPE: PRT
; ORGANISM: Rana pipiens
; FEATURE:
; OTHER INFORMATION: ribonuclease (RapLr1)
US-09-948-391A-2

Query Match      98.1%; Score 566; DB 10; Length 104;
Best Local Similarity 98.1%; Pred. No. 5e-55;
Matches 102; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY  1 QDWLTFQKKHLNTRDVCNNILSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 60
    |||||
Db   1 QDWLTFQKKHLNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 60
    |||||

QY  61 SEFYLSDCNVTSRPCKYKLLKSTNTFCVTCENQAPVHFVGVGHC 104
    |||||
Db   61 SEFYLSDCNVTSRPCKYKLLKSTNTFCVTCENQAPVHFVGVGHC 104
    |||||

RESULT 15
US-09-948-391A-8
; Sequence 8, Application US/09948391A
; Publication No. US20030027311A1
; GENERAL INFORMATION:
; APPLICANT: Rybak, Susanna M.
; APPLICANT: Newton, Dianne L.
; APPLICANT: The United States of America
; APPLICANT: as represented by The Secretary of the
; APPLICANT: Department of Health and Human Services
; TITLE OF INVENTION: Recombinant Anti-Tumor RNase
; FILE REFERENCE: 015280-343110US
; CURRENT APPLICATION NUMBER: US/09/948,391A
; CURRENT FILING DATE: 2002-05-10
; PRIOR APPLICATION NUMBER: US 60/079,751
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: WO PCT/US99/06641
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: US 09/622,613
; PRIOR FILING DATE: 2000-08-17
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 8
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Rana pipiens
; OTHER INFORMATION: ribonuclease with Met at position 1 and Met24Leu
; OTHER INFORMATION: substitution (recombinant Met(-1) RapLr1 Met23Leu)
US-09-948-391A-8

Query Match      97.4%; Score 562; DB 10; Length 105;
Best Local Similarity 98.1%; Pred. No. 1.4e-54;
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Matches 102;		Conservative	0;	Mismatches	2;	Indels	0;	Gaps	0;
Qy	1	QDWLTFQKKHLTNTRDVCNNILSTNLFHCKDKNTFIYSRPEPVKAICKGIASKNVLTT 60							
Db	2	QDWLTFQKKHLTNTRDVCNNILSTNLFHCKDKNTFIYSRPEPVKAICKGIASKNVLTT 61							
Qy	61	SEFYLSDCNVTSRPCKYKLLKSTNTFCVTCENQAPVHFVGVC 104							
Db	62	FEFYLSDCNVTSRPCKYKLLKSTNTFCVTCENQAPVHFVGVC 105							

Search completed: October 19, 2004, 09:23:05
Job time : 69.4175 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: October 19, 2004, 09:04:37 ; Search time 22.8589 Seconds
(without alignments)
304.626 Million cell updates/sec

Title: US-09-622-613C-6

Perfect score: 583

Sequence: 1 MQDWLTFQKHLNTRDVC.....TFCVTCENQAPVHFVGVGHC 105

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: 478139

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA.*

- 1: /cgn2_6/ptodata/1/iaa/5A COMB.pap.*
- 2: /cgn2_6/ptodata/1/iaa/5B COMB.pap.*
- 3: /cgn2_6/ptodata/1/iaa/6A COMB.pap.*
- 4: /cgn2_6/ptodata/1/iaa/6B COMB.pap.*
- 5: /cgn2_6/ptodata/1/iaa/PCTUS COMB.pap.*
- 6: /cgn2_6/ptodata/1/iaa/backfiles1.pap.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	558	95.7	104	1	US-08-467-955-2
2	558	95.7	105	3	US-08-875-811-39
3	558	95.7	355	3	US-08-875-811-41
4	558	95.7	358	3	US-08-875-811-51
5	556	95.4	104	3	US-09-394-268-1
6	556	95.4	104	4	US-09-687-748-1
7	556	95.4	104	4	US-08-826-288-1
8	556	95.4	104	4	US-09-095-429-1
9	556	95.4	112	3	US-08-875-811-32
10	556	95.4	129	3	US-08-875-811-63
11	556	95.4	251	3	US-08-875-811-59
12	556	95.4	254	3	US-08-875-811-61
13	556	95.4	355	3	US-08-875-811-49
14	556	95.4	355	3	US-08-875-811-57
15	556	95.4	355	3	US-08-875-811-64
16	556	95.4	366	3	US-08-875-811-55
17	556	95.4	379	3	US-08-875-811-43
18	553	94.9	104	1	US-08-283-971-1
19	553	94.9	104	1	US-07-921-619-1
20	553	94.9	104	1	US-08-467-955-1
21	553	94.9	104	2	US-08-891-848-13
22	551	94.5	104	3	US-08-875-811-1
23	551	94.5	104	4	US-09-071-672-1
24	551	94.5	104	4	US-09-986-119-1
25	551	94.5	105	3	US-08-875-811-26
26	551	94.5	106	3	US-08-875-811-28
27	551	94.5	107	3	US-08-875-811-30

28 550 94.3 105 3 US-08-875-811-24 Sequence 24, Appli
29 548 94.0 104 3 US-09-394-268-2 Sequence 2, Appli
30 548 94.0 104 4 US-09-687-748-2 Sequence 2, Appli
31 548 94.0 104 4 US-08-626-288-2 Sequence 2, Appli
32 548 94.0 104 4 US-09-095-429-2 Sequence 2, Appli
33 547 93.8 358 3 US-08-875-811-45 Sequence 45, Appli
34 547 93.8 365 3 US-08-875-811-53 Sequence 53, Appli
35 528 90.6 107 3 US-08-875-811-20 Sequence 20, Appli
36 495 84.9 360 3 US-08-875-811-47 Sequence 47, Appli
37 483.5 82.9 111 3 US-08-875-811-22 Sequence 22, Appli
38 445 76.3 83 3 US-08-875-811-2 Sequence 2, Appli
39 445 76.3 83 3 US-09-071-672-3 Sequence 3, Appli
40 445 76.3 83 4 US-09-986-119-3 Sequence 3, Appli
41 289 49.6 111 2 US-08-891-848-12 Sequence 12, Appli
42 289 49.6 111 3 US-08-875-811-8 Sequence 8, Appli
43 217.5 37.3 114 3 US-09-223-118-4 Sequence 4, Appli
44 205.5 35.2 114 3 US-09-223-118-2 Sequence 2, Appli
45 204.5 35.1 114 3 US-09-223-118-1 Sequence 1, Appli

ALIGNMENTS

RESULT 1

US-08-467-955-2
; Sequence 2, Application US/08467955
; Patent No. 5728805
; GENERAL INFORMATION:
; APPLICANT: Ardelt Ph.D, Wojciech J.
; TITLE OF INVENTION: PHARMACEUTICALS AND METHOD FOR MAKING THEM
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Mark H. Jay, P.A.
; STREET: P.O. Box E
; CITY: Short Hills
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 07078-0383
; COMPUTER READABLE FORM: disk
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.24
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,955
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/178,118
; FILING DATE: 06-APR-1988
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/436,141
; FILING DATE: 13-NOV-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/814,332
; FILING DATE: 03-FEB-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/283,970
; FILING DATE: 01-AUG-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jay, Mark H.
; REGISTRATION NUMBER: 27507
; REFERENCE/DOCKET NUMBER: 5007 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-912-9066
; TELEFAX: 201-912-0442
; TELEX: No. 5728805 Applicable
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 104 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear

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; MOLECULE TYPE: protein
; HYPOTHETICAL: N
; ANTI-SENSE: N
; FRAGMENT TYPE: N-terminal
; ORIGINAL SOURCE:
; ORGANISM: Rana pipiens
; DEVELOPMENTAL STAGE: Oocyte
US-08-467-955-2

Query Match          95.7%; Score 558; DB 1; Length 104;
Best Local Similarity 96.2%; Pred. No. 2.8e-60;
Matches 100; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 2 QDWLTFQKKHLTNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIASKNVLT 61
Db 1 EDWLTFOKKHITNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIASKNVLT 60

QY 62 SEFYLSDCNVTSPCKYKLLKSTNTFCVTCENQAPVHFVGVGHC 105
Db 61 SEFYLSDCNVTSPCKYKLLKSTNTFCVTCENQAPVHFVGVGRC 104

RESULT 2
US-08-875-811-39
; Sequence 39, Application US/08875811
; Patent No. 6045793
; GENERAL INFORMATION:
; APPLICANT: Rybak, Susanna M.
; APPLICANT: Newton, Dianne L.
; APPLICANT: Boque, Lluis
; APPLICANT: Wlodawer, Alexander
; TITLE OF INVENTION: Recombinant Ribonuclease Proteins
; NUMBER OF SEQUENCES: 64
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/875,811
; FILING DATE: 19-FEB-1998
; CLASSIFICATION: 435
; PRIOR APPLICATION NUMBER:
; FILING DATE: 19-FEB-1997
; APPLICATION DATA:
; APPLICATION NUMBER: US 60/011,800
; FILING DATE: 21-FEB-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Paris, Susan K.
; REGISTRATION NUMBER: 41,739
; REFERENCE/DOCKET NUMBER: 015280-244100US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 39:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 105 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-875-811-39

Query Match          95.7%; Score 558; DB 3; Length 105;
Best Local Similarity 95.2%; Pred. No. 2.9e-60;
Matches 100; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 MODWLTFOKKHLTNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIASKNVLT 60
Db 1 MEDWLTFOKKHITNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIASKNVLT 60

QY 61 TSEFYLSDCNVTSPCKYKLLKSTNTFCVTCENQAPVHFVGVGHC 105
Db 61 TSEFYLSDCNVTSPCKYKLLKSTNTFCVTCENQAPVHFVGVGSC 105

RESULT 3
US-08-875-811-41
; Sequence 41, Application US/08875811
; Patent No. 6045793
; GENERAL INFORMATION:
; APPLICANT: Rybak, Susanna M.
; APPLICANT: Newton, Dianne L.
; APPLICANT: Boque, Lluis
; APPLICANT: Wlodawer, Alexander
; TITLE OF INVENTION: Recombinant Ribonuclease Proteins
; NUMBER OF SEQUENCES: 64
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/875,811
; FILING DATE: 19-FEB-1998
; CLASSIFICATION: 435
; PRIOR APPLICATION NUMBER:
; FILING DATE: 19-FEB-1997
; APPLICATION DATA:
; APPLICATION NUMBER: US 60/011,800
; FILING DATE: 21-FEB-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Paris, Susan K.
; REGISTRATION NUMBER: 41,739
; REFERENCE/DOCKET NUMBER: 015280-244100US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 41:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 355 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-875-811-41

Query Match          95.7%; Score 558; DB 3; Length 355;
Best Local Similarity 95.2%; Pred. No. 1.4e-59;
Matches 100; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 MODWLTFOKKHLTNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIASKNVLT 60
Db 251 MEDWLTFOKKHITNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIASKNVLT 310

QY 61 TSEFYLSDCNVTSPCKYKLLKSTNTFCVTCENQAPVHFVGVGHC 105
Db 311 TSEFYLSDCNVTSPCKYKLLKSTNTFCVTCENQAPVHFVGVGSC 355

RESULT 4
US-08-875-811-51
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; Sequence 51, Application US/08875811
; Patent No. 6045793
; GENERAL INFORMATION:
; APPLICANT: Rybak, Susanna M.
; APPLICANT: Newton, Dianne L.
; APPLICANT: Boque, Lluís
; APPLICANT: Wlodawer, Alexander
; TITLE OF INVENTION: Recombinant Ribonuclease Proteins
; NUMBER OF SEQUENCES: 64
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/875,811
; FILING DATE: 19-FEB-1998
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/US97/02588
; FILING DATE: 19-FEB-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/011,800
; FILING DATE: 21-FEB-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Faris, Susan K.
; REGISTRATION NUMBER: 41,739
; REFERENCE/DOCKET NUMBER: 015280-244100US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 51:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 358 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-875-811-51

Query Match 95.7%; Score 558; DB 3; Length 358;
Best Local Similarity 95.2%; Pred. No. 1.4e-59;
Matches 100; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 MDWLTFQKKHLNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIASKNVLT 60
Db 1 MDWLTFQKKHLNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIASKNVLT 60

QY 61 TSFYLSDCNVTSRCPCKYKLLKSTNTFCVTCENQAPVHFVGVGHC 105
Db 61 TSFYLSDCNVTSRCPCKYKLLKSTNTFCVTCENQAPVHFVGVGSC 105

RESULT 5
US-09-394-268-1
; Sequence 1, Application US/09394268
; Patent No. 6175003
; GENERAL INFORMATION:
; APPLICANT: Saxena, Shailendra K
; TITLE OF INVENTION: NUCLEIC ACIDS ENCODING RIBONUCLEASES AND METHODS OF
; FILE OF INVENTION: MAKING THEM
; FILE REFERENCE: 5013
; CURRENT APPLICATION NUMBER: US/09/394,268
; CURRENT FILING DATE: 1999-09-10
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1

Query Match 95.4%; Score 556; DB 4; Length 104;
Best Local Similarity 96.2%; Pred. No. 5e-60;
Matches 100; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 2 QDWLTFQKKHLNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIASKNVLT 61
Db 1 QDWLTFQKKHLNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIASKNVLT 60

QY 62 SEFYLSDCNVTSPCKYKLLKSTNTFCVTCENQAPVHFVGVGHC 105
Db 61 SEFYLSDCNVTSPCKYKLLKSTNTFCVTCENQAPVHFVGVGSC 104

RESULT 6
US-09-687-748-1
; Sequence 1, Application US/09687748
; Patent No. 6423515
; GENERAL INFORMATION:
; APPLICANT: Saxena, Shailendra K
; TITLE OF INVENTION: METHODS OF MAKING NUCLEIC ACIDS ENCODING RIBONUCLEASES
; FILE REFERENCE: 5013 US 01
; CURRENT APPLICATION NUMBER: US/09/687,748
; CURRENT FILING DATE: 2000-10-14
; PRIOR APPLICATION NUMBER: 09/394,268
; PRIOR FILING DATE: 1999-09-10
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 104
; TYPE: PRT
; ORGANISM: Rana pipiens
; US-09-687-748-1

Query Match 95.4%; Score 556; DB 4; Length 104;
Best Local Similarity 96.2%; Pred. No. 5e-60;
Matches 100; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 2 QDWLTFQKKHLNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIASKNVLT 61
Db 1 QDWLTFQKKHLNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIASKNVLT 60

QY 62 SEFYLSDCNVTSPCKYKLLKSTNTFCVTCENQAPVHFVGVGHC 105
Db 61 SEFYLSDCNVTSPCKYKLLKSTNTFCVTCENQAPVHFVGVGSC 104

RESULT 7
US-08-626-288-1
; Sequence 1, Application US/08626288
; Patent No. 6649392
; GENERAL INFORMATION:
; APPLICANT: Youle, Richard
; APPLICANT: Vasandanl, Veena
; APPLICANT: Wu, Yon-Neng
; APPLICANT: Boix, Ester
; APPLICANT: Argelt, Wojciech
; TITLE OF INVENTION: A Mutant Form of Cytotoxic Protein Which
; TITLE OF INVENTION: Allows Production by Recombinant Methods
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew
; STREET: One Market Plaza, Steuart Street Tower
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94105-1492
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/626,288
FILING DATE: No. 6649392 yet assigned
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Ran, David B.
REGISTRATION NUMBER: 38,589
REFERENCE/DOCKET NUMBER: 15280-267
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 543-9600
TELEFAX: (415) 543-5043
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 104 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-626-288-1

Query Match 95.4%; Score 556; DB 4; Length 104;
Best Local Similarity 96.2%; Pred. No. 5e-60;
Matches 100; Conservative 2; Mismatches 2; Indels 0; Gaps 0;
QY 2 QDWLTFQKKHILNTRDVCNIMSTNLFHCKDKNTFYISRPVPVKAICKGIIASKNVLT 61
DB 1 QDWLTFQKKHILNTRDVCNIMSTNLFHCKDKNTFYISRPVPVKAICKGIIASKNVLT 60
QY 62 SEFYLSDCNVTSRPCYKYLKSTNTFCVTENQAPVHFVGVGHC 105
DB 61 SEFYLSDCNVTSRPCYKYLKSTNTFCVTENQAPVHFVGVGSC 104

RESULT 8
US-09-095-429-1
Sequence 1, Application US/09095429
Patent No. 6649393
GENERAL INFORMATION:
APPLICANT: Youle, Richard
APPLICANT: Vasandani, Veena
APPLICANT: Wu, Yon-Neng
APPLICANT: Boix, Ester
APPLICANT: Ardelt, Wojciech
TITLE OF INVENTION: A Mutant Form of Cytotoxic Protein Which
TITLE OF INVENTION: Allows Production by Recombinant Methods
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew
STREET: One Market Plaza, Stewart Street Tower
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94105-1492
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/095,429
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/626,288
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Ran, David B.
REGISTRATION NUMBER: 38,589
REFERENCE/DOCKET NUMBER: 15280-267
TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 543-9600
TELEFAX: (415) 543-5043
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 104 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-095-429-1

Query Match 95.4%; Score 556; DB 4; Length 104;
Best Local Similarity 96.2%; Pred. No. 5e-60;
Matches 100; Conservative 2; Mismatches 2; Indels 0; Gaps 0;
QY 2 QDWLTFQKKHILNTRDVCNIMSTNLFHCKDKNTFYISRPVPVKAICKGIIASKNVLT 61
DB 1 QDWLTFQKKHILNTRDVCNIMSTNLFHCKDKNTFYISRPVPVKAICKGIIASKNVLT 60
QY 62 SEFYLSDCNVTSRPCYKYLKSTNTFCVTENQAPVHFVGVGHC 105
DB 61 SEFYLSDCNVTSRPCYKYLKSTNTFCVTENQAPVHFVGVGSC 104

RESULT 9
US-08-875-811-32
Sequence 32, Application US/08875811
Patent No. 6045793
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: Boque, Lluis
APPLICANT: Wlodawer, Alexander
TITLE OF INVENTION: Recombinant Ribonuclease Proteins
NUMBER OF SEQUENCES: 64
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/875,811
FILING DATE: 19-FEB-1998
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/02589
FILING DATE: 19-FEB-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/011,800
FILING DATE: 21-FEB-1996
ATTORNEY/AGENT INFORMATION:
NAME: Faris, Susan K.
REGISTRATION NUMBER: 41,739
REFERENCE/DOCKET NUMBER: 015280-244100US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 32:
SEQUENCE CHARACTERISTICS:
LENGTH: 112 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-875-811-32

Query Match 95.4%; Score 556; DB 3; Length 112;

Best Local Similarity 95.2%; Pred. No. 5.5e-60;
Matches 100; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 1 MQDWLTFQKKHLNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIISKNVLT 60
Db 8 MSDWLTQKKHITNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIISKNVLT 67
Qy 61 TSEFYLSDCNVTSRCKYKLLKSTNFCVTCENQAPVHFVGVGHC 105
Db 68 TSEFYLSDCNVTSRCKYKLLKSTNFCVTCENQAPVHFVGVGSC 112

RESULT 10

US-08-875-811-63
; Sequence 63, Application US/08875811
; Patent No. 6045793
; GENERAL INFORMATION:
; APPLICANT: Rybak, Susanna M.
; APPLICANT: Newton, Dianne L.
; APPLICANT: Boque, Lluis
; APPLICANT: Wlodawer, Alexander
; TITLE OF INVENTION: Recombinant Ribonuclease Proteins
; NUMBER OF SEQUENCES: 64
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/875,811
; FILING DATE: 19-FEB-1998
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/US97/02588
; FILING DATE: 19-FEB-1997

; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/011,800
; FILING DATE: 21-FEB-1996
; NAME: Faris, Susan K.
; ATTORNEY/AGENT INFORMATION:
; REGISTRATION NUMBER: 41,739
; REFERENCE/DOCKET NUMBER: 015280-244100US
; TELEPHONE: (415) 576-0300
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 63:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 129 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein

US-08-875-811-63

Query Match 95.4%; Score 556; DB 3; Length 129;

Best Local Similarity 96.2%; Pred. No. 6.6e-60;

Matches 100; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 2 QDWLTFQKKHLNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIISKNVLT 61
Db 26 QDWLTFQKKHITNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIISKNVLT 85

Qy 62 SEFYLSDCNVTSRCKYKLLKSTNFCVTCENQAPVHFVGVGHC 105
Db 86 SEFYLSDCNVTSRCKYKLLKSTNFCVTCENQAPVHFVGVGSC 129

US-08-875-811-63

Query Match 95.4%; Score 556; DB 3; Length 129;

Best Local Similarity 96.2%; Pred. No. 6.6e-60;

Matches 100; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 2 QDWLTFQKKHLNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIISKNVLT 61
Db 26 QDWLTFQKKHITNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIISKNVLT 85

Qy 62 SEFYLSDCNVTSRCKYKLLKSTNFCVTCENQAPVHFVGVGHC 105
Db 86 SEFYLSDCNVTSRCKYKLLKSTNFCVTCENQAPVHFVGVGSC 129

RESULT 11

US-08-875-811-59
; Sequence 59, Application US/08875811
; Patent No. 6045793
; GENERAL INFORMATION:
; APPLICANT: Rybak, Susanna M.
; APPLICANT: Newton, Dianne L.
; APPLICANT: Boque, Lluis
; APPLICANT: Wlodawer, Alexander
; TITLE OF INVENTION: Recombinant Ribonuclease Proteins
; NUMBER OF SEQUENCES: 64
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/875,811
; FILING DATE: 19-FEB-1998
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/US97/02588
; FILING DATE: 19-FEB-1997

; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/011,800
; FILING DATE: 21-FEB-1996
; NAME: Faris, Susan K.
; ATTORNEY/AGENT INFORMATION:
; REGISTRATION NUMBER: 41,739
; REFERENCE/DOCKET NUMBER: 015280-244100US
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 59:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 251 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein

US-08-875-811-59

Query Match 95.4%; Score 556; DB 3; Length 251;

Best Local Similarity 95.2%; Pred. No. 1.6e-59;

Matches 100; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 1 MQDWLTFQKKHLNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIISKNVLT 60
Db 147 MSDWLTQKKHITNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIISKNVLT 206

Qy 61 TSEFYLSDCNVTSRCKYKLLKSTNFCVTCENQAPVHFVGVGHC 105

Db 207 TSEFYLSDCNVTSRCKYKLLKSTNFCVTCENQAPVHFVGVGSC 251

RESULT 12

US-08-875-811-61
; Sequence 61, Application US/08875811
; Patent No. 6045793
; GENERAL INFORMATION:
; APPLICANT: Rybak, Susanna M.
; APPLICANT: Newton, Dianne L.
; APPLICANT: Boque, Lluis
; APPLICANT: Wlodawer, Alexander
; TITLE OF INVENTION: Recombinant Ribonuclease Proteins
; NUMBER OF SEQUENCES: 64
; CORRESPONDENCE ADDRESS:

US-08-875-811-61

Query Match 95.4%; Score 556; DB 3; Length 251;

Best Local Similarity 95.2%; Pred. No. 1.6e-59;

Matches 100; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 1 MQDWLTFQKKHLNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIISKNVLT 60
Db 147 MSDWLTQKKHITNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIISKNVLT 206

Qy 61 TSEFYLSDCNVTSRCKYKLLKSTNFCVTCENQAPVHFVGVGHC 105

Db 207 TSEFYLSDCNVTSRCKYKLLKSTNFCVTCENQAPVHFVGVGSC 251

RESULT 12

US-08-875-811-61
; Sequence 61, Application US/08875811
; Patent No. 6045793
; GENERAL INFORMATION:
; APPLICANT: Rybak, Susanna M.
; APPLICANT: Newton, Dianne L.
; APPLICANT: Boque, Lluis
; APPLICANT: Wlodawer, Alexander
; TITLE OF INVENTION: Recombinant Ribonuclease Proteins
; NUMBER OF SEQUENCES: 64
; CORRESPONDENCE ADDRESS:

US-08-875-811-61

Query Match 95.4%; Score 556; DB 3; Length 251;

Best Local Similarity 95.2%; Pred. No. 1.6e-59;

Matches 100; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 1 MQDWLTFQKKHLNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIISKNVLT 60
Db 147 MSDWLTQKKHITNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIISKNVLT 206

Qy 61 TSEFYLSDCNVTSRCKYKLLKSTNFCVTCENQAPVHFVGVGHC 105

Db 207 TSEFYLSDCNVTSRCKYKLLKSTNFCVTCENQAPVHFVGVGSC 251

RESULT 12

US-08-875-811-61
; Sequence 61, Application US/08875811
; Patent No. 6045793
; GENERAL INFORMATION:
; APPLICANT: Rybak, Susanna M.
; APPLICANT: Newton, Dianne L.
; APPLICANT: Boque, Lluis
; APPLICANT: Wlodawer, Alexander
; TITLE OF INVENTION: Recombinant Ribonuclease Proteins
; NUMBER OF SEQUENCES: 64
; CORRESPONDENCE ADDRESS:

US-08-875-811-61

Query Match 95.4%; Score 556; DB 3; Length 129;

Best Local Similarity 96.2%; Pred. No. 6.6e-60;

Matches 100; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 2 QDWLTFQKKHLNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIISKNVLT 61
Db 26 QDWLTFQKKHITNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIISKNVLT 85

Qy 62 SEFYLSDCNVTSRCKYKLLKSTNFCVTCENQAPVHFVGVGHC 105

Db 86 SEFYLSDCNVTSRCKYKLLKSTNFCVTCENQAPVHFVGVGSC 129

ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/875,811
FILING DATE: 19-FEB-1998
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/02588
FILING DATE: 19-FEB-1997
MISMATCHES: 2; Indels 0; Gaps 0;
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 61:
SEQUENCE CHARACTERISTICS:
LENGTH: 254 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-875-811-61

Query Match 95.4%; Score 556; DB 3; Length 254;
Best Local Similarity 95.2%; Pred. No. 1.6e-59;
Matches 100; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1 MQDWLTFQKKHLNTRDVCNNIMSTNLFHCKDKNTFYSPRPVKAICKGIIASKNVLT 60
DB 1 MSDWLTQKKHITNTRDVCNNIMSTNLFHCKDKNTFYSPRPVKAICKGIIASKNVLT 60

QY 61 TSEFYLSDCNVTSRCKYKLLKSKNTFCVTCENQAPVHFVGVC 105
DB 61 TSEFYLSDCNVTSRCKYKLLKSKNTFCVTCENQAPVHFVGVC 105

RESULT 13
US-08-875-811-49
Sequence 49, Application US/08875811
Patent No. 6045793
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: Boque, Lluis
APPLICANT: Wlodawer, Alexander
TITLE OF INVENTION: Recombinant Ribonuclease Proteins
NUMBER OF SEQUENCES: 64
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/875,811
FILING DATE: 19-FEB-1998
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/02588
FILING DATE: 19-FEB-1997
MISMATCHES: 2; Indels 0; Gaps 0;
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 49:
SEQUENCE CHARACTERISTICS:
LENGTH: 355 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-875-811-49

Query Match 95.4%; Score 556; DB 3; Length 355;
Best Local Similarity 95.2%; Pred. No. 2.5e-59;
Matches 100; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1 MQDWLTFQKKHLNTRDVCNNIMSTNLFHCKDKNTFYSPRPVKAICKGIIASKNVLT 60
DB 251 MSDWLTQKKHITNTRDVCNNIMSTNLFHCKDKNTFYSPRPVKAICKGIIASKNVLT 310

QY 61 TSEFYLSDCNVTSRCKYKLLKSKNTFCVTCENQAPVHFVGVC 105
DB 311 TSEFYLSDCNVTSRCKYKLLKSKNTFCVTCENQAPVHFVGVC 355

RESULT 14
US-08-875-811-57
Sequence 57, Application US/08875811
Patent No. 6045793
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: Boque, Lluis
APPLICANT: Wlodawer, Alexander
TITLE OF INVENTION: Recombinant Ribonuclease Proteins
NUMBER OF SEQUENCES: 64
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/875,811
FILING DATE: 19-FEB-1998
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/02588
FILING DATE: 19-FEB-1997
MISMATCHES: 2; Indels 0; Gaps 0;
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 49:
SEQUENCE CHARACTERISTICS:
LENGTH: 355 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-875-811-49

```
; REFERENCE/DOCKET NUMBER: 015280-244100US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 57:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 355 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-875-811-57

Query Match          95.4%; Score 556; DB 3; Length 355;
Best Local Similarity 95.2%; Pred. No. 2.5e-59;
Matches 100; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1 MQDWLTFQKKHLNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIISKNVLT 60
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 1 MSDWLTQKKHITNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIISKNVLT 60
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||

QY 61 TSEFYLSDCNVTSPCKYKLLKSKTNTFCVTCENQAPVHFVGVGHC 105
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 61 TSEFYLSDCNVTSPCKYKLLKSKTNTFCVTCENQAPVHFVGVGSC 105
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||

RESULT 15
US-08-875-811-64
; Sequence 64, Application US/08875811
; Patent No. 6045793
; GENERAL INFORMATION:
; APPLICANT: Rybak, Susanna M.
; APPLICANT: Newton, Dianne L.
; APPLICANT: Boque, Lluis
; APPLICANT: Wlodawer, Alexander
; TITLE OF INVENTION: Recombinant Ribonuclease Proteins
; NUMBER OF SEQUENCES: 64
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/875,811
; FILING DATE: 19-FEB-1998
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/US97/02588
; FILING DATE: 19-FEB-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/011,800
; FILING DATE: 21-FEB-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Farris, Susan K.
; REGISTRATION NUMBER: 41,739
; REFERENCE/DOCKET NUMBER: 015280-244100US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 64:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 355 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FEATURE:
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; NAME/KEY: Protein
; LOCATION: 1..355
; OTHER INFORMATION: /note= "E6FB[Met-(-1)]Serronc"
US-08-875-811-64

Query Match          95.4%; Score 556; DB 3; Length 355;
Best Local Similarity 95.2%; Pred. No. 2.5e-59;
Matches 100; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1 MQDWLTFQKKHLNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIISKNVLT 60
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 251 MSDWLTQKKHITNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIISKNVLT 310
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||

QY 61 TSEFYLSDCNVTSPCKYKLLKSKTNTFCVTCENQAPVHFVGVGHC 105
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 311 TSEFYLSDCNVTSPCKYKLLKSKTNTFCVTCENQAPVHFVGVGSC 355
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Search completed: October 19, 2004, 09:24:43
Job time : 22.8589 secs
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Blank

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: October 19, 2004, 09:04:37 ; Search time 69.8325 Seconds
(without alignments)
486.141 Million cell updates/sec

Title: US-09-622-613C-6

Perfect score: 593

Sequence:

1 MODWLTQKHLNTRVDVC.....TFQVTCNQAPVHFVGVGHC 105

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1360919 seqs, 32318874 residues

Total number of hits satisfying chosen parameters: 1360919

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA:*

- 1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep.*
- 5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep.*
- 6: /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep.*
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- 8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
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- 11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep.*
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- 15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/1/pubpaa/US10D_PUBCOMB.pep.*
- 17: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
- 18: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*
- 19: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
1	583	100.0	105	10	US-09-948-391A-6
2	583	100.0	105	10	US-09-961-400-6
3	580	99.5	111	10	US-09-961-400-9
4	578	99.1	104	10	US-09-961-400-2
5	578	99.1	105	10	US-09-948-391A-13
6	578	99.1	105	10	US-09-961-400-13
7	578	99.1	127	10	US-09-948-391A-28
8	578	99.1	127	10	US-09-961-400-28
9	573	98.3	104	10	US-09-948-391A-11
10	573	98.3	104	10	US-09-961-400-11
11	570	97.8	105	10	US-09-961-400-8
12	569	97.6	104	10	US-09-948-391A-2
13	569	97.6	104	10	US-09-948-391A-4
14	569	97.6	104	10	US-09-961-400-4

15	565	96.9	105	10	US-09-948-391A-8	Sequence 8, Appli
16	565	96.9	111	10	US-09-948-391A-9	Sequence 9, Appli
17	561	96.2	105	14	US-10-153-882-2	Sequence 2, Appli
18	556	95.4	104	16	US-10-331-910-9	Sequence 9, Appli
19	551	94.5	104	9	US-09-986-119-1	Sequence 1, Appli
20	551	94.5	104	10	US-09-918-887-1	Sequence 1, Appli
21	551	94.5	104	16	US-10-331-910-5	Sequence 5, Appli
22	548	94.0	104	16	US-10-461-713-53	Sequence 53, Appli
23	548	94.0	104	16	US-10-331-910-1	Sequence 1, Appli
24	445	76.3	83	9	US-09-986-119-3	Sequence 3, Appli
25	445	76.3	83	10	US-09-918-887-3	Sequence 3, Appli
26	286.5	49.1	111	10	US-09-961-400-17	Sequence 17, Appli
27	282.5	48.5	111	10	US-09-948-391A-21	Sequence 21, Appli
28	282.5	48.5	111	10	US-09-961-400-21	Sequence 21, Appli
29	282.5	48.5	117	10	US-09-948-391A-22	Sequence 22, Appli
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31	281.5	48.3	110	10	US-09-948-391A-15	Sequence 15, Appli
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33	281.5	48.3	111	10	US-09-948-391A-26	Sequence 26, Appli
34	281.5	48.3	111	10	US-09-961-400-26	Sequence 26, Appli
35	280.5	48.1	111	10	US-09-948-391A-17	Sequence 17, Appli
36	277.5	47.6	110	10	US-09-961-400-19	Sequence 19, Appli
37	276.5	47.4	110	10	US-09-948-391A-24	Sequence 24, Appli
38	276.5	47.4	110	10	US-09-961-400-24	Sequence 24, Appli
39	271.5	46.6	110	10	US-09-948-391A-19	Sequence 19, Appli
40	157.5	27.0	169	13	US-10-016-447-2	Sequence 2, Appli
41	149	25.6	119	15	US-10-074-978A-139	Sequence 139, App
42	149	25.6	119	15	US-10-016-248-89	Sequence 89, Appl
43	130.5	22.4	145	15	US-10-432-819-34	Sequence 34, Appli
44	128.5	22.0	124	13	US-10-016-447-5	Sequence 5, Appli
45	125	21.4	124	15	US-10-037-417-103	Sequence 103, App

ALIGNMENTS

RESULT 1

US-09-948-391A-6
; Sequence 6, Application US/09948391A
; Publication No. US20030027311A1
; GENERAL INFORMATION:
; APPLICANT: Rybak, Susanna M.
; APPLICANT: Newton, Dianne L.
; APPLICANT: The United States of America
; APPLICANT: as represented by The Secretary of the
; APPLICANT: Department of Health and Human Services
; TITLE OF INVENTION: Recombinant Anti-Tumor RNase
; FILE REFERENCE: 015280-343110US
; CURRENT APPLICATION NUMBER: US/09/948,391A
; CURRENT FILING DATE: 2002-05-10
; PRIOR APPLICATION NUMBER: US 60/079,751
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: WO PCT/US99/06641
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: US 09/622,613
; PRIOR FILING DATE: 2000-08-17
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Rana pipiens
; OTHER INFORMATION: ribonuclease with Met at position 1 (recombinant)
; OTHER INFORMATION: Met(-1) RApLr1)
US-09-948-391A-6

Query Match 100.0%; Score 583; DB 10; Length 105;
Best Local Similarity 100.0%; Pred. No. 4.8e-57;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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1 MODWLTQKHLNTRVDVCNNIMSTNLFHCXDKNFIYSRPEPVKAICKGIASKVLT 60

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Db 1 QDWLTFQKKHLTNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 60
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Db 61 TSEFYLSDCNVTSRCPCKYKLLKSKSTNTFCVTCEQAAPVHFVGVGHC 105

RESULT 2
US-09-961-400-6
; Sequence 6, Application US/09961400
; Publication No. US20030124131A1
; GENERAL INFORMATION:
; APPLICANT: RYBAK, SUSANNA M.
; APPLICANT: GOLDENBERG, DAVID M.
; TITLE OF INVENTION: IMMUNOCONJUGATES OF TOXINS DIRECTED AGAINST MALIGNANT
; FILE REFERENCE: 018733/1059
; CURRENT APPLICATION NUMBER: US/09/961,400
; PRIOR FILING DATE: 2001-09-25
; PRIOR FILING DATE: 2000-08-17
; PRIOR APPLICATION NUMBER: PCT/US99/06641
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: 60/079,751
; PRIOR FILING DATE: 1998-03-26
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Rana pipiens
US-09-961-400-6

Query Match 100.0%; Score 583; DB 10; Length 105;
Best Local Similarity 100.0%; Pred. No. 4.8e-57;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 QDWLTFQKKHLTNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 60
Db 1 QDWLTFQKKHLTNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 60

Qy 61 TSEFYLSDCNVTSRCPCKYKLLKSKSTNTFCVTCEQAAPVHFVGVGHC 105
Db 61 TSEFYLSDCNVTSRCPCKYKLLKSKSTNTFCVTCEQAAPVHFVGVGHC 105

RESULT 3
US-09-961-400-9
; Sequence 9, Application US/09961400
; Publication No. US20030124131A1
; GENERAL INFORMATION:
; APPLICANT: RYBAK, SUSANNA M.
; APPLICANT: GOLDENBERG, DAVID M.
; TITLE OF INVENTION: IMMUNOCONJUGATES OF TOXINS DIRECTED AGAINST MALIGNANT
; FILE REFERENCE: 018733/1059
; CURRENT APPLICATION NUMBER: US/09/961,400
; PRIOR FILING DATE: 2001-09-25
; PRIOR FILING DATE: 2000-08-17
; PRIOR APPLICATION NUMBER: PCT/US99/06641
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: 60/079,751
; PRIOR FILING DATE: 1998-03-26
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 111
; TYPE: PRT
; ORGANISM: Rana pipiens
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US-09-961-400-9
Query Match 99.5%; Score 580; DB 10; Length 111;
Best Local Similarity 99.0%; Pred. No. 1.1e-56;
Matches 104; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 QDWLTFQKKHLTNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 60
Db 7 QDWLTFQKKHLTNTRDVCNNILSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 66

Qy 61 TSEFYLSDCNVTSRCPCKYKLLKSKSTNTFCVTCEQAAPVHFVGVGHC 105
Db 67 TSEFYLSDCNVTSRCPCKYKLLKSKSTNTFCVTCEQAAPVHFVGVGHC 111

RESULT 4
US-09-961-400-2
; Sequence 2, Application US/09961400
; Publication No. US20030124131A1
; GENERAL INFORMATION:
; APPLICANT: RYBAK, SUSANNA M.
; APPLICANT: GOLDENBERG, DAVID M.
; TITLE OF INVENTION: IMMUNOCONJUGATES OF TOXINS DIRECTED AGAINST MALIGNANT
; FILE REFERENCE: 018733/1059
; CURRENT APPLICATION NUMBER: US/09/961,400
; CURRENT FILING DATE: 2001-09-25
; PRIOR FILING DATE: 2000-08-17
; PRIOR APPLICATION NUMBER: PCT/US99/06641
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: 60/079,751
; PRIOR FILING DATE: 1998-03-26
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 104
; TYPE: PRT
; ORGANISM: Rana pipiens
US-09-961-400-2

Query Match 99.1%; Score 578; DB 10; Length 104;
Best Local Similarity 100.0%; Pred. No. 1.7e-56;
Matches 104; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 QDWLTFQKKHLTNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 61
Db 1 QDWLTFQKKHLTNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 60

Qy 62 SEFYLSDCNVTSRCPCKYKLLKSKSTNTFCVTCEQAAPVHFVGVGHC 105
Db 61 SEFYLSDCNVTSRCPCKYKLLKSKSTNTFCVTCEQAAPVHFVGVGHC 104

RESULT 5
US-09-948-391A-13
; Sequence 13, Application US/09948391A
; Publication No. US20030027311A1
; GENERAL INFORMATION:
; APPLICANT: RYBAK, SUSANNA M.
; APPLICANT: Newton, Dianne L.
; APPLICANT: The United States of America
; APPLICANT: as represented by The Secretary of the
; APPLICANT: Department of Health and Human Services
; TITLE OF INVENTION: Recombinant Anti-Tumor RNase
; FILE REFERENCE: 015280-343110US
; CURRENT APPLICATION NUMBER: US/09/948,391A
; CURRENT FILING DATE: 2002-05-10
; PRIOR APPLICATION NUMBER: US 60/079,751
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: WO PCT/US99/06641
; PRIOR FILING DATE: 1999-03-26
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; PRIOR APPLICATION NUMBER: US 09/622,613
; PRIOR FILING DATE: 2000-08-17
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 13
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Rana pipiens
; OTHER INFORMATION: ribonuclease with Met at position 1 and Gln2Ser
; OTHER INFORMATION: substitution (recombinant Met(-1) RapLr1 Q1s)
US-09-948-391A-13

Query Match
Best Local Similarity 99.1%; Score 578; DB 10; Length 105;
Matches 104; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Db 1 MSDWLTFOKKHLTNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 60

QY 61 TSEFYSDCNVTSRCPCKYKLSKSTNTFCVTCENQAPVHFVGVGHC 105
Db 61 TSEFYSDCNVTSRCPCKYKLSKSTNTFCVTCENQAPVHFVGVGHC 105

RESULT 6
US-09-961-400-13
; Sequence 13, Application US/09961400
; Publication No. US20030124131A1
; GENERAL INFORMATION:
; APPLICANT: RYBAK, SUSANNA M.
; APPLICANT: GOLDENBERG, DAVID M.
; APPLICANT: NEWTON, DIANNE L.
; TITLE OF INVENTION: IMMUNOCONJUGATES OF TOXINS DIRECTED AGAINST MALIGNANT
; TITLE OF INVENTION: CELLS
; FILE REFERENCE: 018733/1059
; CURRENT APPLICATION NUMBER: US/09/961,400
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: 09/622,613
; PRIOR FILING DATE: 2000-08-17
; PRIOR APPLICATION NUMBER: PCT/US99/06641
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: 60/079,751
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 13
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Rana pipiens
US-09-961-400-13

Query Match
Best Local Similarity 99.1%; Score 578; DB 10; Length 105;
Matches 104; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Db 1 MSDWLTFOKKHLTNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 60

QY 61 TSEFYSDCNVTSRCPCKYKLSKSTNTFCVTCENQAPVHFVGVGHC 105
Db 61 TSEFYSDCNVTSRCPCKYKLSKSTNTFCVTCENQAPVHFVGVGHC 105

RESULT 7
US-09-948-391A-28
; Sequence 28, Application US/09948391A
; Publication No. US20030027311A1
; GENERAL INFORMATION:
; APPLICANT: Rybak, Susanna M.
; APPLICANT: Newton, Dianne L.
; APPLICANT: Goldenberg, David M.
; APPLICANT: Rybak, Susanna M.
; APPLICANT: Goldenberg, David M.
; APPLICANT: Newton, Dianne L.
; TITLE OF INVENTION: IMMUNOCONJUGATES OF TOXINS DIRECTED AGAINST MALIGNANT
; TITLE OF INVENTION: CELLS
; FILE REFERENCE: 018733/1059
; CURRENT APPLICATION NUMBER: US/09/961,400
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: 09/622,613
; PRIOR FILING DATE: 2000-08-17
; PRIOR APPLICATION NUMBER: PCT/US99/06641
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: 60/079,751
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 13
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Rana pipiens
US-09-961-400-13

Query Match
Best Local Similarity 99.1%; Score 578; DB 10; Length 127;
Matches 104; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 QDWLTFQKKHLTNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 61
Db 24 QDWLTFQKKHLTNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 83

QY 62 SEFYLSDCNVTSRCPCKYKLSKSTNTFCVTCENQAPVHFVGVGHC 105
Db 84 SEFYLSDCNVTSRCPCKYKLSKSTNTFCVTCENQAPVHFVGVGHC 127

RESULT 8
US-09-961-400-28
; Sequence 28, Application US/09961400
; Publication No. US20030124131A1
; GENERAL INFORMATION:
; APPLICANT: RYBAK, SUSANNA M.
; APPLICANT: GOLDENBERG, DAVID M.
; APPLICANT: NEWTON, DIANNE L.
; TITLE OF INVENTION: IMMUNOCONJUGATES OF TOXINS DIRECTED AGAINST MALIGNANT
; TITLE OF INVENTION: CELLS
; FILE REFERENCE: 018733/1059
; CURRENT APPLICATION NUMBER: US/09/961,400
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: 09/622,613
; PRIOR FILING DATE: 2000-08-17
; PRIOR APPLICATION NUMBER: PCT/US99/06641
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: 60/079,751
; PRIOR FILING DATE: 1998-03-26
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 28
; LENGTH: 127
; TYPE: PRT
; ORGANISM: Rana pipiens
US-09-961-400-28

Query Match
Best Local Similarity 99.1%; Score 578; DB 10; Length 127;
Matches 104; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 QDWLTFQKKHLTNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 61
Db 24 QDWLTFQKKHLTNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 83
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Qy 62 SEFYSDCNVTSRCPCKYKLNKSTNTFCVTCENQAPVHFVGVGHC 105
Db 84 SEFYSDCNVTSRCPCKYKLNKSTNTFCVTCENQAPVHFVGVGHC 127

RESULT 9
US-09-948-391A-11
; Sequence 11, Application US/09948391A
; Publication No. US20030027311A1
; GENERAL INFORMATION:
; APPLICANT: Rybak, Susanna M.
; APPLICANT: Newton, Dianne L.
; APPLICANT: The United States of America
; APPLICANT: as represented by The Secretary of the
; APPLICANT: Department of Health and Human Services
; TITLE OF INVENTION: Recombinant Anti-Tumor RNase
; FILE REFERENCE: 015280-343110US
; CURRENT APPLICATION NUMBER: US/09/948,391A
; CURRENT FILING DATE: 2002-05-10
; PRIOR APPLICATION NUMBER: US 60/079,751
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: WO PCT/US99/06641
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: US 09/622,613
; PRIOR FILING DATE: 2000-08-17
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
; LENGTH: 104
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:Rana pipiens
; OTHER INFORMATION: ribonuclease with Gln1Ser substitution
; OTHER INFORMATION: (recombinant RapLr1 Q1S)
US-09-948-391A-11

Query Match 98.3%; Score 573; DB 10; Length 104;
Best Local Similarity 100.0%; Pred. No. 6.2e-56; Indels 0; Gaps 0;
Matches 103; Conservative 0; Mismatches 0;

Qy 3 DMLTFQKKHLTNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLTTS 62
Db 2 DMLTFQKKHLTNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLTTS 61

Qy 63 EFYSDCNVTSRCPCKYKLNKSTNTFCVTCENQAPVHFVGVGHC 105
Db 62 EFYSDCNVTSRCPCKYKLNKSTNTFCVTCENQAPVHFVGVGHC 104

RESULT 10
US-09-961-400-11
; Sequence 11, Application US/09961400
; Publication No. US20030124131A1
; GENERAL INFORMATION:
; APPLICANT: RYBAK, SUSANNA M.
; APPLICANT: GOLDENBERG, DAVID M.
; APPLICANT: NEWTON, DIANNE L.
; TITLE OF INVENTION: IMMUNOCONJUGATES OF TOXINS DIRECTED AGAINST MALIGNANT
; TITLE OF INVENTION: CELLS
; FILE REFERENCE: 018733/1059
; CURRENT APPLICATION NUMBER: US/09/961,400
; CURRENT FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: 09/622,613
; PRIOR FILING DATE: 2000-08-17
; PRIOR APPLICATION NUMBER: PCT/US99/06641
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: 60/079,751
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 11
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Rana pipiens
US-09-961-400-8

Query Match 97.8%; Score 570; DB 10; Length 105;
Best Local Similarity 97.1%; Pred. No. 1.3e-55;
Matches 102; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 1 MQDWLTFQKKHLTNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 60
Db 1 MQDWLTFQKKHLTNTRDVCNNILSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 60

Qy 61 TSEFYSDCNVTSRCPCKYKLNKSTNTFCVTCENQAPVHFVGVGHC 105
Db 61 TSEFYSDCNVTSRCPCKYKLNKSTNTFCVTCENQAPVHFVGVGHC 105

RESULT 12
US-09-948-391A-2
; Sequence 2, Application US/09948391A
; Publication No. US20030027311A1
; GENERAL INFORMATION:
; APPLICANT: Rybak, Susanna M.
; APPLICANT: Newton, Dianne L.
; APPLICANT: The United States of America
; APPLICANT: as represented by The Secretary of the
; APPLICANT: Department of Health and Human Services
; TITLE OF INVENTION: Recombinant Anti-Tumor RNase
; FILE REFERENCE: 015280-343110US
; CURRENT APPLICATION NUMBER: US/09/948,391A
; CURRENT FILING DATE: 2002-05-10
; PRIOR APPLICATION NUMBER: US 60/079,751
; PRIOR FILING DATE: 1998-03-27
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; PRIOR APPLICATION NUMBER: WO PCT/US99/06641
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: US 09/622,613
; PRIOR FILING DATE: 2000-08-17
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 104
; TYPE: PRT
; ORGANISM: Rana pipiens
; FEATURE:
; OTHER INFORMATION: ribonuclease (RaPLR1)
US-09-948-391A-2

Query Match          97.6%; Score 569; DB 10; Length 104;
Best Local Similarity 99.0%; Pred. No. 1.7e-55;
Matches 103; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 QDWLTFQKKHLNTRDVCNNIMSTNLFHCKDKNTFYSRPEPVKAICKGIIASKNVLT 61
DB 1 QDWLTFQKKHLNTRDVCNNIMSTNLFHCKDKNTFYSRPEPVKAICKGIIASKNVLT 60

QY 62 SEFYLSDCNVTSRPCKYKLLKSTNTFCVTCENQAPVHFVGVC 105
DB 61 SEFYLSDCNVTSRPCKYKLLKSTNTFCVTCENQAPVHFVGVC 104

RESULT 13
US-09-948-391A-4
; Sequence 4, Application US/09948391A
; Publication No. US20030027311A1
; GENERAL INFORMATION:
; APPLICANT: Rybak, Susanna M.
; APPLICANT: Newton, Dianne L.
; APPLICANT: The United States of America
; APPLICANT: as represented by The Secretary of the
; APPLICANT: Department of Health and Human Services
; TITLE OF INVENTION: Recombinant Anti-Tumor RNase
; FILE REFERENCE: 015280-343110US
; CURRENT APPLICATION NUMBER: US/09/948,391A
; CURRENT FILING DATE: 2002-05-10
; PRIOR APPLICATION NUMBER: US 60/079,751
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: WO PCT/US99/06641
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: US 09/622,613
; PRIOR FILING DATE: 2000-08-17
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 104
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:Rana pipiens
; OTHER INFORMATION: ribonuclease with Met23Leu substitution
; OTHER INFORMATION: (recombinant RaPLR1 Met23Leu)
US-09-948-391A-4

Query Match          97.6%; Score 569; DB 10; Length 104;
Best Local Similarity 99.1%; Pred. No. 1.7e-55;
Matches 102; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 2 QDWLTFQKKHLNTRDVCNNIMSTNLFHCKDKNTFYSRPEPVKAICKGIIASKNVLT 61
DB 1 QDWLTFQKKHLNTRDVCNNIMSTNLFHCKDKNTFYSRPEPVKAICKGIIASKNVLT 60

QY 62 SEFYLSDCNVTSRPCKYKLLKSTNTFCVTCENQAPVHFVGVC 105
DB 61 SEFYLSDCNVTSRPCKYKLLKSTNTFCVTCENQAPVHFVGVC 104

RESULT 14
US-09-948-391A-8
; Sequence 8, Application US/09948391A
; Publication No. US20030027311A1
; GENERAL INFORMATION:
; APPLICANT: Rybak, Susanna M.
; APPLICANT: Newton, Dianne L.
; APPLICANT: The United States of America
; APPLICANT: as represented by The Secretary of the
; APPLICANT: Department of Health and Human Services
; TITLE OF INVENTION: Recombinant Anti-Tumor RNase
; FILE REFERENCE: 015280-343110US
; CURRENT APPLICATION NUMBER: US/09/948,391A
; CURRENT FILING DATE: 2002-05-10
; PRIOR APPLICATION NUMBER: US 60/079,751
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: WO PCT/US99/06641
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: US 09/622,613
; PRIOR FILING DATE: 2000-08-17
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 8
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:Rana pipiens
; OTHER INFORMATION: ribonuclease with Met at position 1 and Met24Leu
; OTHER INFORMATION: substitution (recombinant Met(-1) RaPLR1 Met23Leu)
US-09-948-391A-8

Query Match          96.9%; Score 565; DB 10; Length 105;
Best Local Similarity 97.1%; Pred. No. 4.8e-55;
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US-09-961-400-4
; Sequence 4, Application US/09961400
; Publication No. US20030124131A1
; GENERAL INFORMATION:
; APPLICANT: RYBAK, SUSANNA M.
; APPLICANT: GOLDENBERG, DAVID M.
; APPLICANT: NEWTON, DIANNE L.
; TITLE OF INVENTION: IMMUNOCONJUGATES OF TOXINS DIRECTED AGAINST MALIGNANT
; FILE REFERENCE: 018733/1059
; CURRENT APPLICATION NUMBER: US/09/961,400
; CURRENT FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: 09/622,613
; PRIOR FILING DATE: 2000-08-17
; PRIOR APPLICATION NUMBER: PCT/US99/06641
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: 60/079,751
; PRIOR FILING DATE: 1998-03-26
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 104
; TYPE: PRT
; ORGANISM: Rana pipiens
US-09-961-400-4

Query Match          97.6%; Score 569; DB 10; Length 104;
Best Local Similarity 98.1%; Pred. No. 1.7e-55;
Matches 102; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
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QY 2 QDWLTFQKKHLNTRDVCNNIMSTNLFHCKDKNTFYSRPEPVKAICKGIIASKNVLT 61
DB 1 QDWLTFQKKHLNTRDVCNNILSTNLFHCKDKNTFYSRPEPVKAICKGIIASKNVLT 60

QY 62 SEFYLSDCNVTSRPCKYKLLKSTNTFCVTCENQAPVHFVGVC 105
DB 61 SEFYLSDCNVTSRPCKYKLLKSTNTFCVTCENQAPVHFVGVC 104
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RESULT 15
US-09-948-391A-8
; Sequence 8, Application US/09948391A
; Publication No. US20030027311A1
; GENERAL INFORMATION:
; APPLICANT: Rybak, Susanna M.
; APPLICANT: Newton, Dianne L.
; APPLICANT: The United States of America
; APPLICANT: as represented by The Secretary of the
; APPLICANT: Department of Health and Human Services
; TITLE OF INVENTION: Recombinant Anti-Tumor RNase
; FILE REFERENCE: 015280-343110US
; CURRENT APPLICATION NUMBER: US/09/948,391A
; CURRENT FILING DATE: 2002-05-10
; PRIOR APPLICATION NUMBER: US 60/079,751
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: WO PCT/US99/06641
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: US 09/622,613
; PRIOR FILING DATE: 2000-08-17
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 8
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:Rana pipiens
; OTHER INFORMATION: ribonuclease with Met at position 1 and Met24Leu
; OTHER INFORMATION: substitution (recombinant Met(-1) RaPLR1 Met23Leu)
US-09-948-391A-8
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Query Match          96.9%; Score 565; DB 10; Length 105;
Best Local Similarity 97.1%; Pred. No. 4.8e-55;
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Tue Oct 19 09:25:55 2004

us-09-622-613c-6.rapb

	Matches	102;	Conservative	1;	Mismatches	2;	Indels	0;	Gaps	0;
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Db	1	MODWLTFOKKHLTNTTRDVCNNILSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT	60							
Qy	61	TSEFVLSDCNVTSPCKYKXKSTNTFCVTCENQAPVHFVGVC	105							
Db	61	TSEFVLSDCNVTSPCKYKXKSTNTFCVTCENQAPVHFVGVC	105							

Search completed: October 19, 2004, 09:23:06
Job time : 71.0825 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: October 19, 2004, 09:04:37 ; Search time 22.8589 Seconds
(without alignments)
304.626 Million cell updates/sec

Title: US-09-622-613C-8

Perfect score: 580

Sequence: 1 MQDWLTFQKXHLNTRDVDC.....TFCVTCENQAPVHVGVGHC 105

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 478139 segs, 66318000 residues

Total number of hits satisfying chosen parameters: 478139

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database :

Issued Patents AA:*
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2: /cgn2_6/ptodata/1/iaa/5B COMB.pep.*
3: /cgn2_6/ptodata/1/iaa/6A COMB.pep.*
4: /cgn2_6/ptodata/1/iaa/6B COMB.pep.*
5: /cgn2_6/ptodata/1/iaa/PCTUS COMB.pep.*
6: /cgn2_6/ptodata/1/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES												
Result No.	Score	Query Match	Length	DB ID	Description							
1	546	94.1	104	1	US-08-467-955-2	Sequence 2, Appli						
2	546	94.1	105	3	US-08-875-811-39	Sequence 39, Appl						
3	546	94.1	355	3	US-08-875-811-41	Sequence 41, Appl						
4	546	94.1	358	3	US-08-875-811-51	Sequence 51, Appl						
5	544	93.8	104	3	US-09-394-268-1	Sequence 1, Appli						
6	544	93.8	104	4	US-09-687-748-1	Sequence 1, Appli						
7	544	93.8	104	4	US-08-626-288-1	Sequence 1, Appli						
8	544	93.8	104	4	US-09-095-429-1	Sequence 1, Appli						
9	544	93.8	112	3	US-08-875-811-32	Sequence 32, Appl						
10	544	93.8	129	3	US-08-875-811-63	Sequence 63, Appl						
11	544	93.8	251	3	US-08-875-811-59	Sequence 59, Appl						
12	544	93.8	254	3	US-08-875-811-61	Sequence 61, Appl						
13	544	93.8	355	3	US-08-875-811-49	Sequence 49, Appl						
14	544	93.8	355	3	US-08-875-811-57	Sequence 57, Appl						
15	544	93.8	355	3	US-08-875-811-64	Sequence 64, Appl						
16	544	93.8	366	3	US-08-875-811-55	Sequence 55, Appl						
17	544	93.8	379	3	US-08-875-811-43	Sequence 43, Appl						
18	541	93.3	104	1	US-08-283-971-1	Sequence 1, Appli						
19	541	93.3	104	1	US-07-921-619-1	Sequence 1, Appli						
20	541	93.3	104	1	US-08-467-955-1	Sequence 1, Appli						
21	541	93.3	104	2	US-08-891-848-13	Sequence 13, Appl						
22	541	93.3	104	3	US-09-394-268-2	Sequence 2, Appli						
23	541	93.3	104	4	US-09-687-748-2	Sequence 2, Appli						
24	541	93.3	104	4	US-08-626-288-2	Sequence 2, Appli						
25	541	93.3	104	4	US-09-095-429-2	Sequence 2, Appli						
26	539	92.9	104	3	US-08-875-811-1	Sequence 1, Appli						
27	539	92.9	104	3	US-09-071-672-1	Sequence 1, Appli						

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Sequence 26, Appli
Sequence 28, Appli
Sequence 30, Appli
Sequence 24, Appli
Sequence 45, Appli
Sequence 53, Appli
Sequence 20, Appli
Sequence 47, Appli
Sequence 22, Appli
Sequence 2, Appli
Sequence 3, Appli
Sequence 3, Appli
Sequence 12, Appli
Sequence 8, Appli
Sequence 4, Appli
Sequence 2, Appli
Sequence 1, Appli

ALIGNMENTS

RESULT 1

US-08-467-955-2
; Sequence 2, Application US/08467955
; Patent No. 5728005
; GENERAL INFORMATION:
; APPLICANT: Ardelt Ph.D, Wojciech J.
; TITLE OF INVENTION: PHARMACEUTICALS AND METHOD FOR MAKING THEM
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Mark H. Jay, P.A.
; STREET: P.O. Box E
; CITY: Short Hills
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 07078-0383
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.24
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,955
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/178,118
; FILING DATE: 06-APR-1988
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/436,141
; FILING DATE: 13-NOV-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/814,332
; FILING DATE: 03-FEB-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/283,970
; FILING DATE: 01-AUG-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jay, Mark H
; REGISTRATION NUMBER: 27507
; REFERENCE/DOCKET NUMBER: 5007 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-912-9066
; TELEFAX: 201-912-0442
; TELEX: No. 5728805 Applicable
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 104 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear

MOLECULE TYPE: protein
HYPOTHETICAL: N
ANTI-SENSE: N
FRAGMENT TYPE: N-terminal
ORIGINAL SOURCE: Rana pipiens
DEVELOPMENTAL STAGE: Oocyte
US-08-467-955-2

Query Match 94.1%; Score 546; DB 1; Length 104;
Best Local Similarity 94.2%; Pred. No. 1.3e-59;
Matches 98; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 2 QDWLTFOKKHITNTRDVCNNILSTNLFHCKDKNTFIYSRPEPVKAICKGIASKNVLT 61
DB 1 MEDWLTFOKKHITNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIASKNVLT 60
QY 62 SEFYLSDCNVTSPCKYKLLKSTITFCVTCENQAPVHFVGVGHC 105
DB 61 SEFYLSDCNVTSPCKYKLLKSTNKFCVTCENQAPVHFVGVGRC 104

RESULT 2
US-08-875-811-39
Sequence 39, Application US/08875811
Patent No. 6045793
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: Boque, Luis
APPLICANT: Wlodawer, Alexander
TITLE OF INVENTION: Recombinant Ribonuclease Proteins
NUMBER OF SEQUENCES: 64
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/875,811
FILING DATE: 19-FEB-1998
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/02588
FILING DATE: 19-FEB-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/011,800
FILING DATE: 21-FEB-1996
ATTORNEY/AGENT INFORMATION:
NAME: Paris, Susan K.
REGISTRATION NUMBER: 41,739
REFERENCE/DOCKET NUMBER: 015280-244100US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 39:
SEQUENCE CHARACTERISTICS:
LENGTH: 105 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-875-811-39

Query Match 94.1%; Score 546; DB 3; Length 105;
Best Local Similarity 93.3%; Pred. No. 1.3e-59;
Matches 98; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 2 QDWLTFOKKHITNTRDVCNNILSTNLFHCKDKNTFIYSRPEPVKAICKGIASKNVLT 61
DB 1 MEDWLTFOKKHITNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIASKNVLT 60
QY 62 SEFYLSDCNVTSPCKYKLLKSTITFCVTCENQAPVHFVGVGHC 105
DB 61 SEFYLSDCNVTSPCKYKLLKSTNKFCVTCENQAPVHFVGVGRC 104

RESULT 2
US-08-875-811-39
Sequence 39, Application US/08875811
Patent No. 6045793
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: Boque, Luis
APPLICANT: Wlodawer, Alexander
TITLE OF INVENTION: Recombinant Ribonuclease Proteins
NUMBER OF SEQUENCES: 64
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/875,811
FILING DATE: 19-FEB-1998
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/02588
FILING DATE: 19-FEB-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/011,800
FILING DATE: 21-FEB-1996
ATTORNEY/AGENT INFORMATION:
NAME: Paris, Susan K.
REGISTRATION NUMBER: 41,739
REFERENCE/DOCKET NUMBER: 015280-244100US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 39:
SEQUENCE CHARACTERISTICS:
LENGTH: 105 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-875-811-39

QY 1 MODWLTFOKKHITNTRDVCNNILSTNLFHCKDKNTFIYSRPEPVKAICKGIASKNVLT 60
DB 1 MEDWLTFOKKHITNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIASKNVLT 60
QY 61 TSEFYLSDCNVTSPCKYKLLKSTITFCVTCENQAPVHFVGVGHC 105
DB 61 TSEFYLSDCNVTSPCKYKLLKSTNKFCVTCENQAPVHFVGVGSC 105

RESULT 3
US-08-875-811-41
Sequence 41, Application US/08875811
Patent No. 6045793
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: Boque, Luis
APPLICANT: Wlodawer, Alexander
TITLE OF INVENTION: Recombinant Ribonuclease Proteins
NUMBER OF SEQUENCES: 64
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/875,811
FILING DATE: 19-FEB-1998
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/02588
FILING DATE: 19-FEB-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/011,800
FILING DATE: 21-FEB-1996
ATTORNEY/AGENT INFORMATION:
NAME: Paris, Susan K.
REGISTRATION NUMBER: 41,739
REFERENCE/DOCKET NUMBER: 015280-244100US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 41:
SEQUENCE CHARACTERISTICS:
LENGTH: 355 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-875-811-41

Query Match 94.1%; Score 546; DB 3; Length 355;
Best Local Similarity 93.3%; Pred. No. 6.6e-59;
Matches 98; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 1 MODWLTFOKKHITNTRDVCNNILSTNLFHCKDKNTFIYSRPEPVKAICKGIASKNVLT 60
DB 251 MEDWLTFOKKHITNTRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIASKNVLT 310
QY 61 TSEFYLSDCNVTSPCKYKLLKSTITFCVTCENQAPVHFVGVGHC 105
DB 311 TSEFYLSDCNVTSPCKYKLLKSTNKFCVTCENQAPVHFVGVGSC 355

RESULT 4
US-08-875-811-51

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; Sequence 51, Application US/09875811
; Patent No. 6045793
; GENERAL INFORMATION:
; APPLICANT: Rybak, Susanna M.
; APPLICANT: Newton, Dianne L.
; APPLICANT: Beque, Lluis
; APPLICANT: Wlodawer, Alexander
; TITLE OF INVENTION: Recombinant Ribonuclease Proteins
; NUMBER OF SEQUENCES: 64
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/875,811
; FILING DATE: 19-FEB-1998
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/US97/02588
; FILING DATE: 19-FEB-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/011,800
; FILING DATE: 21-FEB-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Faris, Susan K.
; REGISTRATION NUMBER: 41,739
; REFERENCE/DOCKET NUMBER: 015280-244100US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 51:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 358 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-875-811-51

Query Match          94.1%; Score 546; DB 3; Length 358;
Best Local Similarity 93.3%; Pred. No. 6.7e-59;
Matches 98; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 1 MQDWLTQKKHLNTRDVDCCNNILSTNLFHCKDKNTFIYSRPEPVKAICKGIASKNVLT 60
Db 1 MEDWLTQKKHITNTRDVDCCNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIASKNVLT 60
QY 61 TSFYLSDCNVTSRPCKYKLLKSTITFCVTCENQAPVHFVGVGHC 105
Db 61 TSFYLSDCNVTSRPCKYKLLKSTNFKCVTCENQAPVHFVGVGSC 105

RESULT 5
US-09-394-268-1
; Sequence 1, Application US/09394268
; Patent No. 6175003
; GENERAL INFORMATION:
; APPLICANT: Saxena, Shailendra K
; TITLE OF INVENTION: NUCLEIC ACIDS ENCODING RIBONUCLEASES AND METHODS OF
; TITLE OF INVENTION: MAKING THEM
; FILE REFERENCE: 5013
; CURRENT APPLICATION NUMBER: US/09/394,268
; CURRENT FILING DATE: 1999-09-10
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1

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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/626,288
FILING DATE: No. 6649392 yet assigned
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Ran, David B.
REGISTRATION NUMBER: 38,589
REFERENCE/DOCKET NUMBER: 15280-267
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 543-9600
TELEFAX: (415) 543-5043
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 104 amino acids
TYPE: amino acid
STRANDEDNESS: linear
TOPOLOGY: protein
MOLECULE TYPE: protein
US-08-626-288-1

Query Match 93.8%; Score 544; DB 4; Length 104;
Best Local Similarity 94.2%; Pred. No. 2.3e-59;
Matches 98; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 2 QDWLTQKXHLNTRDVCNNILSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 61
Db 1 QDWLTQKXHLNTRDVCNNILSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 60

QY 62 SEFYLSDCNVTSRPCKYKLLKSTITFCVTCENQAPVHFVGVC 105
Db 61 SEFYLSDCNVTSRPCKYKLLKSTNKFCVTCENQAPVHFVGVC 104

RESULT 8
US-09-095-429-1
Sequence 1, Application US/09095429
Patent No. 6649393
GENERAL INFORMATION:
APPLICANT: Youle, Richard
APPLICANT: Vasandani, Veena
APPLICANT: Wu, Yon-Neng
APPLICANT: Boix, Ester
APPLICANT: Ardelt, Wojciech
TITLE OF INVENTION: A Mutant Form of Cytotoxic Protein Which
TITLE OF INVENTION: Allows Production by Recombinant Methods
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew
STREET: One Market Plaza, Steuart Street Tower
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94105-1492
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/095,429
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/626,288
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Ran, David B.
REGISTRATION NUMBER: 38,589
REFERENCE/DOCKET NUMBER: 15280-267
TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 543-9600
TELEFAX: (415) 543-5043
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 104 amino acids
TYPE: amino acid
STRANDEDNESS: linear
TOPOLOGY: protein
MOLECULE TYPE: protein
US-09-095-429-1

Query Match 93.8%; Score 544; DB 4; Length 104;
Best Local Similarity 94.2%; Pred. No. 2.3e-59;
Matches 98; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 2 QDWLTQKXHLNTRDVCNNILSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 61
Db 1 QDWLTQKXHLNTRDVCNNILSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 60

QY 62 SEFYLSDCNVTSRPCKYKLLKSTITFCVTCENQAPVHFVGVC 105
Db 61 SEFYLSDCNVTSRPCKYKLLKSTNKFCVTCENQAPVHFVGVC 104

RESULT 9
US-08-875-811-32
Sequence 32, Application US/08875811
Patent No. 6045793
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: Boque, Lluís
APPLICANT: Wlodawer, Alexander
TITLE OF INVENTION: Recombinant Ribonuclease Proteins
NUMBER OF SEQUENCES: 64
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/875,811
FILING DATE: 19-FEB-1998
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/02588
FILING DATE: 19-FEB-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/011,800
FILING DATE: 21-FEB-1996
ATTORNEY/AGENT INFORMATION:
NAME: Paris, Susan K.
REGISTRATION NUMBER: 41,739
REFERENCE/DOCKET NUMBER: 015280-244100US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 32:
SEQUENCE CHARACTERISTICS:
LENGTH: 112 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-875-811-32

Query Match 93.8%; Score 544; DB 3; Length 112;

Best Local Similarity 93.3%; Pred. No. 2.5e-59;
Matches 98; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1 QDWLTFQKKHLNTRDVCNNILSTNLFHCKDKNTFIYSRPEPVKAICKGIASKNVLT 60
Db 8 MSDWLTFFQKKHITNRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIASKNVLT 67
Qy 61 TSEFYLSDCNVTSRCKYKLLKSTITFCVTCENQAPVHFVGVGHC 105
Db 68 TSEFYLSDCNVTSRCKYKLLKSTITFCVTCENQAPVHFVGVGSC 112

RESULT 10

US-08-875-811-63
; Sequence 63, Application US/08875811
; Patent No. 6045793
; GENERAL INFORMATION:
; APPLICANT: Rybak, Susanna M.
; APPLICANT: Newton, Dianne L.
; APPLICANT: Boque, Lluis
; APPLICANT: Wlodawer, Alexander
; TITLE OF INVENTION: Recombinant Ribonuclease Proteins
; NUMBER OF SEQUENCES: 64
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/875,811
; FILING DATE: 19-FEB-1998
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/US97/02588
; FILING DATE: 19-FEB-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/011,800
; FILING DATE: 21-FEB-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Paris, Susan K.
; REGISTRATION NUMBER: 41,739
; REFERENCE/DOCKET NUMBER: 015280-244100US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 63:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 129 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-875-811-63

Query Match 93.8%; Score 544; DB 3; Length 129;
Best Local Similarity 94.2%; Pred. No. 3.1e-59;
Matches 98; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

Qy 2 QDWLTFQKKHLNTRDVCNNILSTNLFHCKDKNTFIYSRPEPVKAICKGIASKNVLT 61
Db 26 QDWLTFQKKHITNRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIASKNVLT 85
Qy 62 SEFYLSDCNVTSRCKYKLLKSTITFCVTCENQAPVHFVGVGHC 105
Db 86 SEFYLSDCNVTSRCKYKLLKSTITFCVTCENQAPVHFVGVGSC 129

RESULT 11

US-08-875-811-59
; Sequence 59, Application US/08875811
; Patent No. 6045793
; GENERAL INFORMATION:
; APPLICANT: Rybak, Susanna M.
; APPLICANT: Newton, Dianne L.
; APPLICANT: Boque, Lluis
; APPLICANT: Wlodawer, Alexander
; TITLE OF INVENTION: Recombinant Ribonuclease Proteins
; NUMBER OF SEQUENCES: 64
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/875,811
; FILING DATE: 19-FEB-1998
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/US97/02588
; FILING DATE: 19-FEB-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/011,800
; FILING DATE: 21-FEB-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Paris, Susan K.
; REGISTRATION NUMBER: 41,739
; REFERENCE/DOCKET NUMBER: 015280-244100US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 59:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 251 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-875-811-59

Query Match 93.8%; Score 544; DB 3; Length 251;
Best Local Similarity 93.3%; Pred. No. 7.4e-59;
Matches 98; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1 QDWLTFQKKHLNTRDVCNNILSTNLFHCKDKNTFIYSRPEPVKAICKGIASKNVLT 60
Db 147 MSDWLTFFQKKHITNRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIASKNVLT 206
Qy 61 TSEFYLSDCNVTSRCKYKLLKSTITFCVTCENQAPVHFVGVGHC 105
Db 207 TSEFYLSDCNVTSRCKYKLLKSTITFCVTCENQAPVHFVGVGSC 251

RESULT 12

US-08-875-811-61
; Sequence 61, Application US/08875811
; Patent No. 6045793
; GENERAL INFORMATION:
; APPLICANT: Rybak, Susanna M.
; APPLICANT: Newton, Dianne L.
; APPLICANT: Boque, Lluis
; APPLICANT: Wlodawer, Alexander
; TITLE OF INVENTION: Recombinant Ribonuclease Proteins
; NUMBER OF SEQUENCES: 64
; CORRESPONDENCE ADDRESS:

ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/875,811
FILING DATE: 19-FEB-1998
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/02588
FILING DATE: 19-FEB-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/011,800
FILING DATE: 21-FEB-1996
ATTORNEY/AGENT INFORMATION:
NAME: Faris, Susan K.
REGISTRATION NUMBER: 41,739
REFERENCE/DOCKET NUMBER: 015280-244100US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 61:
SEQUENCE CHARACTERISTICS:
LENGTH: 254 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-875-811-61

Query Match 93.8%; Score 544; DB 3; Length 254;
Best Local Similarity 93.3%; Pred. No. 7.5e-59;
Matches 98; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 MQDWLTFQKKHLTNRDVCNNILSTNLFHCKDKNTFYSRPEPVKAICKGIIASKNVLT 60
DB 1 MSDWLTFOKKHITNRDVCNNIMSTNLFHCKDKNTFYSRPEPVKAICKGIIASKNVLT 60

QY 61 TSEFYLSDCNVTSPCKYKLLKSKTITFCVTCENQAPVHFVGVGHC 105
DB 61 TSEFYLSDCNVTSPCKYKLLKSKTITFCVTCENQAPVHFVGVGSC 105

RESULT 13
US-08-875-811-49
Sequence 49, Application US/08875811
Patent No. 6045793
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: Boque, Lluís
APPLICANT: Wlodawer, Alexander
TITLE OF INVENTION: Recombinant Ribonuclease Proteins
NUMBER OF SEQUENCES: 64
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/875,811
FILING DATE: 19-FEB-1998
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/02588
FILING DATE: 19-FEB-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/011,800
FILING DATE: 21-FEB-1996
ATTORNEY/AGENT INFORMATION:
NAME: Faris, Susan K.
REGISTRATION NUMBER: 41,739
REFERENCE/DOCKET NUMBER: 015280-244100US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 49:
SEQUENCE CHARACTERISTICS:
LENGTH: 355 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-875-811-49

Query Match 93.8%; Score 544; DB 3; Length 355;
Best Local Similarity 93.3%; Pred. No. 1.2e-58;
Matches 98; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 MQDWLTFQKKHLTNRDVCNNILSTNLFHCKDKNTFYSRPEPVKAICKGIIASKNVLT 60
DB 251 MSDWLTFOKKHITNRDVCNNIMSTNLFHCKDKNTFYSRPEPVKAICKGIIASKNVLT 310

QY 61 TSEFYLSDCNVTSPCKYKLLKSKTITFCVTCENQAPVHFVGVGHC 105
DB 311 TSEFYLSDCNVTSPCKYKLLKSKTITFCVTCENQAPVHFVGVGSC 355

RESULT 14
US-08-875-811-57
Sequence 57, Application US/08875811
Patent No. 6045793
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: Boque, Lluís
APPLICANT: Wlodawer, Alexander
TITLE OF INVENTION: Recombinant Ribonuclease Proteins
NUMBER OF SEQUENCES: 64
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/875,811
FILING DATE: 19-FEB-1998
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/02588
FILING DATE: 19-FEB-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/011,800
FILING DATE: 21-FEB-1996
ATTORNEY/AGENT INFORMATION:
NAME: Faris, Susan K.
REGISTRATION NUMBER: 41,739

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: October 19, 2004, 09:04:37 ; Search time 69.8325 Seconds
(without alignments)
486.141 Million cell updates/sec

Title: US-09-622-613C-8

Perfect score: 580

Sequence: 1 MQDWLTQKXHLNTRDVC.....TFCVTCENQAPVHFVGVC 105

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1360919 seqs, 323318874 residues

Total number of hits satisfying chosen parameters: 1360919

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

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6: /cgn2_6/ptodata/1/pubpa/PCTUS_PUBCOMB.pep.*
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11: /cgn2_6/ptodata/1/pubpa/US09C_PUBCOMB.pep.*
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19: /cgn2_6/ptodata/1/pubpa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	574	99.0	105	10	US-09-948-391A-8
2	574	99.0	111	10	US-09-948-391A-9
3	573	98.8	111	10	US-09-961-400-9
4	571	98.4	105	10	US-09-948-391A-6
5	571	98.4	105	10	US-09-961-400-6
6	566	97.6	104	10	US-09-961-400-2
7	566	97.6	105	10	US-09-948-391A-13
8	566	97.6	105	10	US-09-961-400-13
9	566	97.6	127	10	US-09-948-391A-28
10	566	97.6	127	10	US-09-961-400-28
11	563	97.1	105	10	US-09-961-400-8
12	562	96.9	104	10	US-09-948-391A-4
13	562	96.9	104	10	US-09-961-400-4
14	561	96.7	104	10	US-09-948-391A-11

15	561	96.7	104	10	US-09-961-400-11	Sequence 11, Appl
16	557	96.0	104	10	US-09-948-391A-2	Sequence 2, Appl
17	549	94.7	105	14	US-10-153-882-2	Sequence 2, Appl
18	544	93.8	104	16	US-10-331-910-9	Sequence 9, Appl
19	541	93.3	104	16	US-10-331-910-1	Sequence 1, Appl
20	539	92.9	104	9	US-09-986-119-1	Sequence 1, Appl
21	539	92.9	104	10	US-09-918-887-1	Sequence 1, Appl
22	539	92.9	104	16	US-10-331-910-5	Sequence 5, Appl
23	536	92.4	104	15	US-10-461-713-53	Sequence 53, Appl
24	433	74.7	83	9	US-09-986-119-3	Sequence 3, Appl
25	433	74.7	83	10	US-09-918-887-3	Sequence 3, Appl
26	275.5	47.5	111	10	US-09-948-391A-21	Sequence 21, Appl
27	275.5	47.5	111	10	US-09-961-400-21	Sequence 21, Appl
28	275.5	47.5	117	10	US-09-948-391A-22	Sequence 22, Appl
29	275.5	47.5	117	10	US-09-961-400-22	Sequence 22, Appl
30	274.5	47.3	111	10	US-09-961-400-17	Sequence 17, Appl
31	270.5	46.6	110	10	US-09-961-400-19	Sequence 19, Appl
32	269.5	46.5	110	10	US-09-948-391A-15	Sequence 15, Appl
33	269.5	46.5	110	10	US-09-961-400-15	Sequence 15, Appl
34	269.5	46.5	111	10	US-09-948-391A-26	Sequence 26, Appl
35	269.5	46.5	111	10	US-09-961-400-26	Sequence 26, Appl
36	268.5	46.3	111	10	US-09-948-391A-17	Sequence 17, Appl
37	264.5	45.6	110	10	US-09-948-391A-19	Sequence 19, Appl
38	264.5	45.6	110	10	US-09-948-391A-24	Sequence 24, Appl
39	264.5	45.6	110	10	US-09-961-400-24	Sequence 24, Appl
40	152.5	26.3	169	13	US-10-016-447-2	Sequence 2, Appl
41	143	24.7	119	15	US-10-074-978A-139	Sequence 139, App
42	143	24.7	119	15	US-10-016-248-89	Sequence 89, Appl
43	127.5	22.0	145	15	US-10-432-819-34	Sequence 34, Appl
44	122.5	21.1	124	13	US-10-016-447-5	Sequence 5, Appl
45	119	20.5	124	15	US-10-037-417-103	Sequence 103, App

ALIGNMENTS

RESULT 1

US-09-948-391A-8
; Sequence 8, Application US/09948391A
; Publication No. US20030027311A1
; GENERAL INFORMATION:
; APPLICANT: Rybak, Susanna M.
; APPLICANT: Newton, Dianne L.
; APPLICANT: The United States of America
; APPLICANT: as represented by The Secretary of the
; APPLICANT: Department of Health and Human Services
; TITLE OF INVENTION: Recombinant Anti-Tumor RNase
; FILE REFERENCE: 015280-343110US
; CURRENT APPLICATION NUMBER: US/09/948,391A
; CURRENT FILING DATE: 2002-05-10
; PRIOR APPLICATION NUMBER: US 60/079,751
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: WO PCT/US99/06641
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: US 09/622,613
; PRIOR FILING DATE: 2000-08-17
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 8
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Rana pipiens
; OTHER INFORMATION: ribonuclease with Met at position 1 and Met24Leu
; OTHER INFORMATION: substitution (recombinant Met(-1) RnPLR1 Met23Leu)
US-09-948-391A-8
Query Match 99.0%; Score 574; DB 10; Length 105;
Best Local Similarity 99.0%; Pred. No. 2.4e-56;
Matches 104; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Oy 1 MQDWLTQKXHLNTRDVCNIIITNLFCKDKNTIYSRPEPVKAICKGIASKNVLT 60

Db 1 QMDWLTFOKKHLTNRDVCNNILSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 60
Qy 61 TSEFYLSDCNVTSRCKYKLLKSTITFCVTCENQAPVHFVGVGHC 105
Db 61 TSEFYLSDCNVTSRCKYKLLKSTITFCVTCENQAPVHFVGVGHC 105

RESULT 2

US-09-948-391A-9
; Sequence 9, Application US/09948391A
; Publication No. US20030027311A1
; GENERAL INFORMATION:
; APPLICANT: Rybak, Susanna M.
; APPLICANT: Newton, Dianne L.
; APPLICANT: The United States of America
; APPLICANT: as represented by The Secretary of the
; APPLICANT: Department of Health and Human Services
; TITLE OF INVENTION: Recombinant Anti-Tumor RNase
; FILE REFERENCE: 015280-343110US
; CURRENT APPLICATION NUMBER: US/09/948,391A
; CURRENT FILING DATE: 2002-05-10
; PRIOR APPLICATION NUMBER: US 60/079,751
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: WO PCT/US99/06641
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: US 09/622,613
; PRIOR FILING DATE: 2000-08-17
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9
; LENGTH: 111
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:Rana pipiens
; OTHER INFORMATION: ribonuclease with (His)6 tag, Met at position 7
; OTHER INFORMATION: and Met30Leu substitution (recombinant Met(-1)
; OTHER INFORMATION: RapLR1 Met23Leu-(His)6)
US-09-948-391A-9

Query Match 99.0%; Score 574; DB 10; Length 111;
Best Local Similarity 99.0%; Pred. No. 2.6e-56;
Matches 104; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 QMDWLTFOKKHLTNRDVCNNILSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 60
Db 7 QMDWLTFOKKHLTNRDVCNNILSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 66
Qy 61 TSEFYLSDCNVTSRCKYKLLKSTITFCVTCENQAPVHFVGVGHC 105
Db 67 TSEFYLSDCNVTSRCKYKLLKSTITFCVTCENQAPVHFVGVGHC 111

RESULT 3

US-09-961-400-9
; Sequence 9, Application US/09961400
; Publication No. US20030124131A1
; GENERAL INFORMATION:
; APPLICANT: RYBAK, SUSANNA M.
; APPLICANT: NEWTON, DIANNE L.
; APPLICANT: GOLDENBERG, DAVID M.
; TITLE OF INVENTION: IMMUNOCONJUGATES OF TOXINS DIRECTED AGAINST MALIGNANT
; FILE REFERENCE: 018733/1059
; CURRENT APPLICATION NUMBER: US/09/961,400
; CURRENT FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: 09/622,613
; PRIOR FILING DATE: 2000-08-17
; PRIOR APPLICATION NUMBER: PCT/US99/06641
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: 60/079,751
; PRIOR FILING DATE: 1998-03-26

; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 111
; TYPE: PRT
; ORGANISM: Rana pipiens
US-09-961-400-9

Query Match 98.8%; Score 573; DB 10; Length 111;
Best Local Similarity 99.0%; Pred. No. 3.3e-56;
Matches 104; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 QMDWLTFOKKHLTNRDVCNNILSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 60
Db 7 QMDWLTFOKKHLTNRDVCNNILSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 66
Qy 61 TSEFYLSDCNVTSRCKYKLLKSTITFCVTCENQAPVHFVGVGHC 105
Db 67 TSEFYLSDCNVTSRCKYKLLKSTITFCVTCENQAPVHFVGVGHC 111

RESULT 4

US-09-948-391A-6
; Sequence 6, Application US/09948391A
; Publication No. US20030027311A1
; GENERAL INFORMATION:
; APPLICANT: Rybak, Susanna M.
; APPLICANT: Newton, Dianne L.
; APPLICANT: The United States of America
; APPLICANT: as represented by The Secretary of the
; APPLICANT: Department of Health and Human Services
; TITLE OF INVENTION: Recombinant Anti-Tumor RNase
; FILE REFERENCE: 015280-343110US
; CURRENT APPLICATION NUMBER: US/09/948,391A
; CURRENT FILING DATE: 2002-05-10
; PRIOR APPLICATION NUMBER: US 60/079,751
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: WO PCT/US99/06641
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: US 09/622,613
; PRIOR FILING DATE: 2000-08-17
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:Rana pipiens
; OTHER INFORMATION: ribonuclease with Met at position 1 (recombinant
; OTHER INFORMATION: Met(-1) RapLR1)
US-09-948-391A-6

Query Match 98.4%; Score 571; DB 10; Length 105;
Best Local Similarity 98.1%; Pred. No. 5.2e-56;
Matches 103; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 QMDWLTFOKKHLTNRDVCNNILSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 60
Db 1 QMDWLTFOKKHLTNRDVCNNILSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 60
Qy 61 TSEFYLSDCNVTSRCKYKLLKSTITFCVTCENQAPVHFVGVGHC 105
Db 61 TSEFYLSDCNVTSRCKYKLLKSTITFCVTCENQAPVHFVGVGHC 105

RESULT 5

US-09-961-400-6
; Sequence 6, Application US/09961400
; Publication No. US20030124131A1
; GENERAL INFORMATION:
; APPLICANT: RYBAK, SUSANNA M.
; APPLICANT: GOLDENBERG, DAVID M.

```

; APPLICANT: NEWTON, DIANNE L.
; TITLE OF INVENTION: IMMUNOCONJUGATES OF TOXINS DIRECTED AGAINST MALIGNANT
; FILE OF INVENTION: CELLS
; FILE REFERENCE: 018733/1059
; CURRENT APPLICATION NUMBER: US/09/961,400
; CURRENT FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: 09/622,613
; PRIOR FILING DATE: 2000-08-17
; PRIOR APPLICATION NUMBER: PCT/US99/06641
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: 60/079,751
; PRIOR FILING DATE: 1998-03-26
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Rana pipiens
US-09-961-400-6

Query Match      98.4%; Score 571; DB 10; Length 105;
Best Local Similarity 98.1%; Pred. No. 5.2e-56;
Matches 103; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 MODWLTFQKKHLTNTRDVCNNILSTNLFHCKDKNTFYSRPEPVKAICKGIIASKNVLT 60
DB 1 MODWLTFQKKHLTNTRDVCNNIMSTNLFHCKDKNTFYSRPEPVKAICKGIIASKNVLT 60

QY 61 TSEFVLSDCNVTSRPCKYKLLKSTITFCVTCENQAPVHFVGVGHC 105
DB 61 TSEFVLSDCNVTSRPCKYKLLKSTITFCVTCENQAPVHFVGVGHC 105

RESULT 6
US-09-961-400-2
; Sequence 2, Application US/09961400
; Publication No. US20030124131A1
; GENERAL INFORMATION:
; APPLICANT: RYBAK, SUSANNA M.
; APPLICANT: GOLDENBERG, DAVID M.
; APPLICANT: NEWTON, DIANNE L.
; TITLE OF INVENTION: IMMUNOCONJUGATES OF TOXINS DIRECTED AGAINST MALIGNANT
; FILE OF INVENTION: CELLS
; FILE REFERENCE: 018733/1059
; CURRENT APPLICATION NUMBER: US/09/961,400
; CURRENT FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: 09/622,613
; PRIOR FILING DATE: 2000-08-17
; PRIOR APPLICATION NUMBER: PCT/US99/06641
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: 60/079,751
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 104
; TYPE: PRT
; ORGANISM: Rana pipiens
US-09-961-400-2

Query Match      97.6%; Score 566; DB 10; Length 104;
Best Local Similarity 98.1%; Pred. No. 1.9e-55;
Matches 102; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 2 QDWLTFQKKHLTNTRDVCNNILSTNLFHCKDKNTFYSRPEPVKAICKGIIASKNVLT 61
DB 1 QDWLTFQKKHLTNTRDVCNNIMSTNLFHCKDKNTFYSRPEPVKAICKGIIASKNVLT 60

QY 62 SEFVLSDCNVTSRPCKYKLLKSTITFCVTCENQAPVHFVGVGHC 105
DB 61 SEFVLSDCNVTSRPCKYKLLKSTITFCVTCENQAPVHFVGVGHC 104
```

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RESULT 7
US-09-948-391A-13
; Sequence 13, Application US/09948391A
; Publication No. US20030027311A1
; GENERAL INFORMATION:
; APPLICANT: RYBAK, SUSANNA M.
; APPLICANT: NEWTON, DIANNE L.
; APPLICANT: The United States of America
; APPLICANT: as represented by The Secretary of the
; APPLICANT: Department of Health and Human Services
; TITLE OF INVENTION: Recombinant Anti-Tumor RNase
; FILE REFERENCE: 015280-343110US
; CURRENT APPLICATION NUMBER: US/09/948,391A
; CURRENT FILING DATE: 2002-05-10
; PRIOR APPLICATION NUMBER: US 60/079,751
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: WO PCT/US99/06641
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: US 09/622,613
; PRIOR FILING DATE: 2000-08-17
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 13
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Rana pipiens
; OTHER INFORMATION: ribonuclease with Met at position 1 and Gln2Ser
; OTHER INFORMATION: substitution (recombinant Met(-1) RnPLR1 Q1S)
US-09-948-391A-13

Query Match      97.6%; Score 566; DB 10; Length 105;
Best Local Similarity 97.1%; Pred. No. 1.9e-55;
Matches 102; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 MODWLTFQKKHLTNTRDVCNNILSTNLFHCKDKNTFYSRPEPVKAICKGIIASKNVLT 60
DB 1 MSDWLTFQKKHLTNTRDVCNNIMSTNLFHCKDKNTFYSRPEPVKAICKGIIASKNVLT 60

QY 61 TSEFVLSDCNVTSRPCKYKLLKSTITFCVTCENQAPVHFVGVGHC 105
DB 61 TSEFVLSDCNVTSRPCKYKLLKSTITFCVTCENQAPVHFVGVGHC 105

RESULT 8
US-09-961-400-13
; Sequence 13, Application US/09961400
; Publication No. US20030124131A1
; GENERAL INFORMATION:
; APPLICANT: RYBAK, SUSANNA M.
; APPLICANT: GOLDENBERG, DAVID M.
; APPLICANT: NEWTON, DIANNE L.
; TITLE OF INVENTION: IMMUNOCONJUGATES OF TOXINS DIRECTED AGAINST MALIGNANT
; FILE OF INVENTION: CELLS
; FILE REFERENCE: 018733/1059
; CURRENT APPLICATION NUMBER: US/09/961,400
; CURRENT FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: 09/622,613
; PRIOR FILING DATE: 2000-08-17
; PRIOR APPLICATION NUMBER: PCT/US99/06641
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: 60/079,751
; PRIOR FILING DATE: 1998-03-26
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 13
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Rana pipiens
US-09-961-400-13

Query Match      97.6%; Score 566; DB 10; Length 105;
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Best Local Similarity 97.1%; Pred. No. 1.9e-55;
Matches 102; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 MDWLTFQKKHLTNRDVCNNILSNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 60
Db 1 MSDWLTFFQKKHLTNRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 60

QY 61 TSEFYSDCNVTSRCPCKYKLLKSTITFCVTCENQAPVHFVGVGHC 105
Db 61 TSEFYSDCNVTSRCPCKYKLLKSTNTFCVTCENQAPVHFVGVGHC 105

RESULT 9
US-09-948-391A-28
; Sequence 28, Application US/09948391A
; Publication No. US20030027311A1
; GENERAL INFORMATION:
; APPLICANT: Rybak, Susanna M.
; APPLICANT: Newton, Dianne L.
; APPLICANT: The United States of America
; APPLICANT: as represented by The Secretary of the
; APPLICANT: Department of Health and Human Services
; TITLE OF INVENTION: Recombinant Anti-Tumor RNase
; FILE REFERENCE: 015280-343110US
; CURRENT APPLICATION NUMBER: US/09/948,391A
; CURRENT FILING DATE: 2002-05-10
; PRIOR APPLICATION NUMBER: US 60/079,751
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: WO PCT/US99/06641
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: US 09/622,613
; PRIOR FILING DATE: 2000-08-17
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 28
; LENGTH: 127
; TYPE: PRT
; ORGANISM: Rana pipiens
; FEATURE:
; OTHER INFORMATION: insert
US-09-948-391A-28

Query Match 97.6%; Score 566; DB 10; Length 127;
Best Local Similarity 98.1%; Pred. No. 2.3e-55;
Matches 102; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 2 QDWLTFQKKHLTNRDVCNNILSNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 61
Db 24 QDWLTFQKKHLTNRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 83

QY 62 SEFYSDCNVTSRCPCKYKLLKSTITFCVTCENQAPVHFVGVGHC 105
Db 84 SEFYSDCNVTSRCPCKYKLLKSTNTFCVTCENQAPVHFVGVGHC 127

RESULT 10
US-09-961-400-28
; Sequence 28, Application US/09961400
; Publication No. US20030124131A1
; GENERAL INFORMATION:
; APPLICANT: RYBAK, SUSANNA M.
; APPLICANT: GOLDENBERG, DAVID M.
; APPLICANT: NEWTON, DIANNE L.
; TITLE OF INVENTION: CELLS
; FILE REFERENCE: 018733/1059
; CURRENT APPLICATION NUMBER: US/09/961,400
; CURRENT FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: 09/622,613
; PRIOR FILING DATE: 2000-08-17
; PRIOR APPLICATION NUMBER: PCT/US99/06641
; PRIOR FILING DATE: 1999-03-26

Query Match 97.6%; Score 566; DB 10; Length 127;
Best Local Similarity 98.1%; Pred. No. 2.3e-55;
Matches 102; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 2 QDWLTFQKKHLTNRDVCNNILSNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 61
Db 24 QDWLTFQKKHLTNRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 83

QY 62 SEFYSDCNVTSRCPCKYKLLKSTITFCVTCENQAPVHFVGVGHC 105
Db 84 SEFYSDCNVTSRCPCKYKLLKSTNTFCVTCENQAPVHFVGVGHC 127

RESULT 11
US-09-961-400-8
; Sequence 8, Application US/09961400
; Publication No. US20030124131A1
; GENERAL INFORMATION:
; APPLICANT: RYBAK, SUSANNA M.
; APPLICANT: GOLDENBERG, DAVID M.
; APPLICANT: NEWTON, DIANNE L.
; TITLE OF INVENTION: IMMUNOCONJUGATES OF TOXINS DIRECTED AGAINST MALIGNANT
; TITLE OF INVENTION: CELLS
; FILE REFERENCE: 018733/1059
; CURRENT APPLICATION NUMBER: US/09/961,400
; CURRENT FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: 09/622,613
; PRIOR FILING DATE: 2000-08-17
; PRIOR APPLICATION NUMBER: PCT/US99/06641
; PRIOR FILING DATE: 1999-03-26

Query Match 97.1%; Score 563; DB 10; Length 105;
Best Local Similarity 97.1%; Pred. No. 4.1e-55;
Matches 102; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 MQDWLTFQKKHLTNRDVCNNILSNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 60
Db 1 MQDWLTFQKKHLTNRDVCNNILSNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 60

QY 61 TSEFYSDCNVTSRCPCKYKLLKSTITFCVTCENQAPVHFVGVGHC 105
Db 61 TSEFYSDCNVTSRCPCKYKLLKSTNTFCVTCENQAPVHFVGVGHC 105

RESULT 12
US-09-948-391A-4
; Sequence 4, Application US/09948391A
; Publication No. US20030027311A1
; GENERAL INFORMATION:
; APPLICANT: Rybak, Susanna M.
; APPLICANT: Newton, Dianne L.
; APPLICANT: The United States of America
; APPLICANT: as represented by The Secretary of the
; APPLICANT: Department of Health and Human Services

PRIOR APPLICATION NUMBER: 60/079,751
PRIOR FILING DATE: 1998-03-26
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 28
LENGTH: 127
TYPE: PRT
ORGANISM: Rana pipiens
US-09-961-400-28

Query Match 97.6%; Score 566; DB 10; Length 127;
Best Local Similarity 98.1%; Pred. No. 2.3e-55;
Matches 102; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 2 QDWLTFQKKHLTNRDVCNNILSNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 61
Db 24 QDWLTFQKKHLTNRDVCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 83

QY 62 SEFYSDCNVTSRCPCKYKLLKSTITFCVTCENQAPVHFVGVGHC 105
Db 84 SEFYSDCNVTSRCPCKYKLLKSTNTFCVTCENQAPVHFVGVGHC 127

RESULT 11
US-09-961-400-8
; Sequence 8, Application US/09961400
; Publication No. US20030124131A1
; GENERAL INFORMATION:
; APPLICANT: RYBAK, SUSANNA M.
; APPLICANT: GOLDENBERG, DAVID M.
; APPLICANT: NEWTON, DIANNE L.
; TITLE OF INVENTION: IMMUNOCONJUGATES OF TOXINS DIRECTED AGAINST MALIGNANT
; TITLE OF INVENTION: CELLS
; FILE REFERENCE: 018733/1059
; CURRENT APPLICATION NUMBER: US/09/961,400
; CURRENT FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: 09/622,613
; PRIOR FILING DATE: 2000-08-17
; PRIOR APPLICATION NUMBER: PCT/US99/06641
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: 60/079,751
; PRIOR FILING DATE: 1998-03-26
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Rana pipiens
US-09-961-400-8

Query Match 97.1%; Score 563; DB 10; Length 105;
Best Local Similarity 97.1%; Pred. No. 4.1e-55;
Matches 102; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 MQDWLTFQKKHLTNRDVCNNILSNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 60
Db 1 MQDWLTFQKKHLTNRDVCNNILSNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLT 60

QY 61 TSEFYSDCNVTSRCPCKYKLLKSTITFCVTCENQAPVHFVGVGHC 105
Db 61 TSEFYSDCNVTSRCPCKYKLLKSTNTFCVTCENQAPVHFVGVGHC 105

RESULT 12
US-09-948-391A-4
; Sequence 4, Application US/09948391A
; Publication No. US20030027311A1
; GENERAL INFORMATION:
; APPLICANT: Rybak, Susanna M.
; APPLICANT: Newton, Dianne L.
; APPLICANT: The United States of America
; APPLICANT: as represented by The Secretary of the
; APPLICANT: Department of Health and Human Services

```

; TITLE OF INVENTION: Recombinant Anti-Tumor RNase
; FILE REFERENCE: 015280-343110US
; CURRENT APPLICATION NUMBER: US/09/948,391A
; CURRENT FILING DATE: 2002-05-10
; PRIOR APPLICATION NUMBER: US 60/079,751
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: WO PCT/US99/06641
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: US 09/622,613
; PRIOR FILING DATE: 2000-08-17
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 104
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:Rana pipiens
; OTHER INFORMATION: ribonuclease with Met23Leu substitution
; OTHER INFORMATION: (recombinant RaPLR1 Met23Leu)
US-09-948-391A-4

Query Match          96.9%; Score 562; DB 10; Length 104;
Best Local Similarity 98.1%; Pred. No. 5.2e-55;
Matches 102; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      2 QDWLTFQKKHLTNRDVCNNILSTNLFHCKDKNTFYSRPEPVKAICKGIIASKNVLT 61
Db      1 QDWLTFQKKHLTNRDVCNNILSTNLFHCKDKNTFYSRPEPVKAICKGIIASKNVLT 60

Qy      62 SEFYLSDCNVTSRPCKYKLLKSTITFCVTCENQAPVHFVGVGHC 105
Db      61 FEYLSDCNVTSRPCKYKLLKSTITFCVTCENQAPVHFVGVGHC 104

RESULT 13
US-09-961-400-4
; Sequence 4, Application US/09961400
; Publication No. US20030124131A1
; GENERAL INFORMATION:
; APPLICANT: RYBAK, SUSANNA M.
; APPLICANT: GOLDENBERG, DAVID M.
; APPLICANT: NEWTON, DIANNE L.
; TITLE OF INVENTION: IMMUNOCONJUGATES OF TOXINS DIRECTED AGAINST MALIGNANT
; TITLE OF INVENTION: CELLS
; FILE REFERENCE: 018733/1059
; CURRENT APPLICATION NUMBER: US/09/961,400
; CURRENT FILING DATE: 2001-09-25
; PRIOR FILING DATE: 2000-08-17
; PRIOR APPLICATION NUMBER: PCT/US99/06641
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: 60/079,751
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 104
; TYPE: PRT
; ORGANISM: Rana pipiens
US-09-961-400-4

Query Match          96.9%; Score 562; DB 10; Length 104;
Best Local Similarity 98.1%; Pred. No. 5.2e-55;
Matches 102; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      2 QDWLTFQKKHLTNRDVCNNILSTNLFHCKDKNTFYSRPEPVKAICKGIIASKNVLT 61
Db      1 QDWLTFQKKHLTNRDVCNNILSTNLFHCKDKNTFYSRPEPVKAICKGIIASKNVLT 60

Qy      62 SEFYLSDCNVTSRPCKYKLLKSTITFCVTCENQAPVHFVGVGHC 105
Db      61 FEYLSDCNVTSRPCKYKLLKSTITFCVTCENQAPVHFVGVGHC 104

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```

RESULT 14
US-09-948-391A-11
; Sequence 11, Application US/09948391A
; Publication No. US20030027311A1
; GENERAL INFORMATION:
; APPLICANT: Rybak, Susanna M.
; APPLICANT: Newton, Dianne L.
; APPLICANT: The United States of America
; APPLICANT: as represented by The Secretary of the
; APPLICANT: Department of Health and Human Services
; TITLE OF INVENTION: Recombinant Anti-Tumor RNase
; FILE REFERENCE: 015280-343110US
; CURRENT APPLICATION NUMBER: US/09/948,391A
; CURRENT FILING DATE: 2002-05-10
; PRIOR APPLICATION NUMBER: US 60/079,751
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: WO PCT/US99/06641
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: US 09/622,613
; PRIOR FILING DATE: 2000-08-17
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
; LENGTH: 104
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:Rana pipiens
; OTHER INFORMATION: ribonuclease with Glu1Ser substitution
; OTHER INFORMATION: (recombinant RaPLR1 Q1S)
US-09-948-391A-11

Query Match          96.7%; Score 561; DB 10; Length 104;
Best Local Similarity 98.1%; Pred. No. 6.7e-55;
Matches 101; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy      3 DWLTFQKKHLTNRDVCNNILSTNLFHCKDKNTFYSRPEPVKAICKGIIASKNVLT 62
Db      2 DWLTFQKKHLTNRDVCNNIMSTNLFHCKDKNTFYSRPEPVKAICKGIIASKNVLT 61

Qy      63 EFYLSDCNVTSRPCKYKLLKSTITFCVTCENQAPVHFVGVGHC 105
Db      62 EFYLSDCNVTSRPCKYKLLKSTITFCVTCENQAPVHFVGVGHC 104

RESULT 15
US-09-961-400-11
; Sequence 11, Application US/09961400
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; APPLICANT: RYBAK, SUSANNA M.
; APPLICANT: GOLDENBERG, DAVID M.
; APPLICANT: NEWTON, DIANNE L.
; TITLE OF INVENTION: IMMUNOCONJUGATES OF TOXINS DIRECTED AGAINST MALIGNANT
; TITLE OF INVENTION: CELLS
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Best Local Similarity 98.1%; Pred. No. 6.7e-55;
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DB 2 DWLTFQKKHLTNTRDVCNNILSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLITS 61
QY 63 EFYLSDCNVTSRPCKYKLLKSTITPCVTCENQAPVHFVGVHC 105
DB 62 EFYLSDCNVTSRPCKYKLLKSTITPCVTCENQAPVHFVGVHC 104

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